STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

FOR THE YEAR ENDED DECEMBER 31, 1969
BASED ON FPC FORM NO.67

SUMMARY REPORT

FEDERAL POWER COMMISSION

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

FOR THE YEAR ENDED DECEMBER 31, 1969
BASED ON FPC FORM NO.67

SUMMARY REPORT

FEDERAL POWER COMMISSION
WASHINGTON, D.C. 20426

FEBRUARY 1973

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402 -

COMMISSIONERS

JOHN N. NASSIKAS, Chairman
RUSH MOODY, JR., Vice Chairman
ALBERT B. BROOKE, JR.

WEBSTER P. MAXSON, Executive Director
KENNETH F. PLUMB, Secretary

Prepared by the

Federal Power Commission, Bureau of Power

T. A. Phillips, Chief

CONTENTS

PREFACE

This publication, covering the year 1969, is the first in a series of summary reports based on FPC Form 67 data. Annual supplements for 1970 and 1971 are planned for the near future. Since the inception of the Form 67 program, the FPC has created an automated data base of approximately three-quarters of a million unique records. 1/

The statements and statistical tables in this summary report are based primarily on questionnaires (Form 67) filed for 654 steam-electric generating plants, including 8 nuclear-fueled plants. A copy of the questionnaire is attached to this report as Appendix 1. For purposes of this publication, however, Form 67 data were supplemented by data from other FPC forms and by information specially developed for this report. Consequently, Table 10 -- Individual Plant Data -- includes for each plant the 1969 net generation and heat rate and identifies the Air Quality Control and Water Resource Region in which the plant is located. The geographic boundaries of the Air Quality Control Regions (247 Regions as of the time of publication of this report) and Water Resource Regions are shown on maps in Appendices 3 and 4, respectively. Appendix 2 is an alphabetical listing of the 654 plants included in this summary report.

Please address all inquiries and comments pertaining to this publication to:

Section of Fuel and Environmental Analysis
Bureau of Power
Federal Power Commission
Washington, D. C. 20426

1/ Processing of the data and system development was performed by Applied Data Research, Inc. (ADR), 2425 Wilson Boulevard, Arlington, Virginia, under FPC contract No. 1681.

INTRODUCTION

The electric utility industry is faced with the task of meeting a steadily rising demand for electricity while simultaneously attaining the environmental quality standards being promulgated by State and Federal agencies. The electric power generating industry presently consumes more than one-quarter of the total national primary energy demand [2] and it is the source of approximately one-fifth of the total particulate, one-fifth of the total NO_x, and one-half of the total SO_2 pollutant emissions in the United States.[3] The industry also accounts for four-fifths of the total cooling water use and one-third of the total water withdrawn for all purposes.[4] Unless levels of control are increased, emissions of air pollutants into the atmosphere and waste heat into rivers and lakes will increase considerably in the years ahead. In preparing the 1970 National Power Survey, the FPC estimated that during the next two decades the total U. S. generating capacity will increase from 340 million kw in 1970 to 1,260 million kw in 1990.[5] Although nuclear generation is expected to make great inroads, one-half the installed capacity in 1990 is expected to consist of fossil fueled steam-electric units [6] and consumption of fossil fuels is expected to double (in terms of total Btu). [7]

Recognizing the need for reliable environmental information in order to evaluate the performance of steam-electric power plants, their continuing ability to perform reliably and in compliance with environmental control regulations, and their progress in limiting pollutant and thermal emissions, the FPC, in the Fall of 1970, introduced a new annual questionnaire on "Steam-Electric Plant Air and Water Quality Control Data." (FPC Form 67). The information gathered with this questionnaire has proved to be most useful in various gas curtailment cases before this Commission; it has provided much essential background information for the regulatory function of the Environmental Protection Agency[8] and for the work of other Federal and State agencies; it has provided economic and commercial data to manufacturers and vendors of environmental control equipment; and it has afforded an information base for research projects of educational institutions.

2/ "The 1970 National Power Survey," Federal Power Commission, Dec. 1971. pp. I-3-4

3/ Ibid, pp. I-11-2

4/ Ibid, pp. I-10-1

5/ Ibid, pp. I-18-2

6/ Ibid, pp. IV-1-3

7/ Ibid, pp. I-4-2

8/ The Environmental Protection Agency has contributed to the financial support of the Form 67 program. EPA staff assisted in the development of the questionnaire and the design of the tables in this report. Their review and comments throughout the program were most helpful.

SECTION I
DISCUSSION OF FORM 67 DATA

a. Methodology.

FPC Form 67 was first distributed in October of 1970. Responses from 654 plants [9/] were filed with the respective Regional Offices of the Federal Power Commission. The staffs of the Regional Offices performed the initial review and mechanical editing of the forms.

A vast amount of subsequent editing by both FPC staff and the contractor, however, was required to resolve many differing styles of reporting into a standard format amenable to computerized processing. In addition numerous footnotes were converted to data items (and vice versa), many misplaced data were re-arranged to the proper lines and columns, and many incorrect entries were checked and corrected. Next the data were keypunched, verified and transferred to magnetic tape. In the transposition of punched cards to magnetic tape the type of entry in a particular data space (line-column intersect) was anticipated to be numeric, alphabetic, code, single or multiple entry, etc; and any entry not conforming with the expected type was recorded as a special "non-standard" entry. A listing of these non-standard entries was used by the FPC staff to identify and substitute, wherever possible, valid entries for the non-standard ones. About 27,000 "non-standard" entries were processed in preparation of this report.

Several data checking programs were developed involving both magnitude checks and cross checks of interrelated items. Corrections were made by FPC staff, frequently after contacting the respondents in question. Further specialized studies were made of particular portions of the data base crucial to the emission estimates and some additional corrections were made. The tables in this publication were then compiled and visually inspected. After necessary corrections were effected in the Form 67 data base itself, the tables were reproduced in final form.

In Sections II and III of this publication appear 18 summary tables (9 pairs): Ten tables (5 pairs) summarizing air quality data and eight tables (4 pairs) summarizing water quality data, respectively.

In Section IV, Table 10 contains 132 pages of detailed information in which each column, containing 98 lines of data, is devoted to a

---

9/ Steam-electric plants of 25 MW or greater capacity which were part of a power supply system of 150 MW or greater and any plants of 25 MW or greater capacity operating in one of the Air Quality Control Regions which existed at that time. See copy of Form 67 in Appendix 1 for the original listing of Air Quality Control Regions.

single plant. In this table, plants are grouped by company. Companies are arranged in alphabetical order with the exception of those including "the" as a part of their names. 10/

Tables 1A and 1B show total quantities and average qualities of fuel consumed by the steam-electric plants and are a simple compilation of reported data which, however, required careful editing.

In editing the original data base the yearly figures on page 2 of Form 67 for each plant were checked against reported monthly figures. Errors were corrected and simple arithmetic averages were replaced by weighted averages calculated from reported monthly detail. Assumed values of 140,000 Btu/Gal. and .1% sulfur were inserted where heating values and sulfur contents were not reported for ignition (#2) oil. The state, regional, and national totals are weighted arithmetic averages.

Tables 2A and 2B show plant capacity, annual generation and particulate, SO_2, and NO_x emissions. The capacities shown are as reported on page 2 of FPC Form 67. Annual generation is as reported in FPC Form No. 1 (page 432, line 12). All emissions estimates are based on factors recommended by EPA. 11/

10/ Companies listed in this manner are:
The Canal Electric Company
The Cincinnati Gas and Electric Company
The Connecitcut Light & Power Company
The Dayton Power & Light Company
The Detroit Edison Company
The Hartford Electric Light Company
The Kansas Power & Light Company
The Montana Power Company
The Narragansett Electric Company
The Potomac Edison Company
The Toledo Edison Company
The Tucson Gas & Electric Company
The United Illuminating Company

11/ "Compilation of Air Pollutant Emission Factors," U. S. Environmental Protection Agency, April 1971.

"Atomospheric Emissions from Coal Combustion," U. S. Department of Health, Education, and Welfare, April 1966.

"Atomospheric Emissions from Fuel Oil Combustion," U. S. Department of Health, Education, and Welfare, November 1962.

Particulate emissions were computed on a boiler-by-boiler basis for both coal and oil fuel. The particulate emissions resulting from coal consumption at a boiler were determined by one of the following formulae:

without flyash reinjection,

$$e = abc\,(1-\frac{p}{100})\times 10^{-2} \qquad (a)$$

with flyash reinjection,

$$e = abc\,\frac{(1-\frac{p}{100})}{(1-\frac{pb}{100})}\times 10^{-2} \qquad (b)$$

Where:

e = particulate emissions (1000 tons)
a = average yearly % ash content in coal (Form 67, page 2, line 13, column e)
c = yearly coal consumption at the boiler (1,000 tons) which is either reported directly in Form 67 (page 2, line 13, column b) or is derived by using equation (d)
b = split factor for the boiler expressed as the ratio of flyash to total ash in the boiler. (See tabulation on following page).
p = collection efficiency of the precipitator associated with the boiler using whichever figure, from Form 67, is available, in the following order:

1) "Estimated Efficiency At Annual Operating Factor" (page 6, line 24 or 31)
2) "Tested Efficiency" (page 6, line 22 or 27)
3) "Design Efficiency" (page 10, line 26 or 20)

0 (zero) is used if no precipitator exists.

This hierarchy of efficiency figures results in using the estimated efficiency at annual (precipitator) operating factor as a first choice followed by a tested efficiency and then by a design efficiency.

The estimated efficiency at annual operating factor is considered to best reflect actual operating performance since it accounts for precipitator "downtime" and partial outages during the year. It may

also include estimates of efficiency losses from broken wires, improper rapper adjustments, improper voltage levels, changes in ash consistency due to fuel changes, etc.

The particulate emissions resulting from oil consumption at a boiler are determined by the following formula:

$$e = .168 \times O \left(1 - \frac{p}{100}\right) \times 10^{-3} \qquad (c)$$

Where:

e = particulate emissions (1000 tons)
O = yearly oil consumption at the boiler (1,000 Bbls) which is either reported directly in Form 67 (page 2, line 13, column g) or derived by using equation (d)
p = collection efficiency of the precipitator associated with the boiler, using the same hierarchy of efficiencies disucssed above and assuming 5% if an unenergized electrostatic precipitator remains on line.

The split factor, "b" occuring in equations (a) and (b) was assigned to each boiler as follows:

Wet (W) or Dry (D) Bottom Boiler (page 9, line 16)	Type of Firing 12/ (page 9, line 18)	Split Factor "b"
W	PCFR	.65
W	PCOP	.65
W	PCTA	.65
D	PCFR	.85
D	PCOP	.85
D	PCTA	.85
-	CYCL	.10
-	SPRE	.65
-	OTHE	.65

If the coal or oil consumption for each individual boiler (c or O) was not available because several boilers shared a common fuel feeder, the total fuel consumption of the group of boilers was prorated as follows:

$$x = X \left(\frac{sf}{\sum_j s_j f_j}\right) \qquad (d)$$

12/ See page 9 of Form 67, Appendix 1, for an explanation of firing-type codes.

Where:

x = the coal or oil consumption at the individual boiler (c or O in 1,000 tons or 1,000 Bbls, respectively).
X = the coal or oil consumption of the group of boilers, in 1,000 tons and 1,000 Bbls, respectively (page 5, line 14, column b or c).
s = the design coal or oil consumption for the boiler (page 9, line 8 or 9).
f = the capacity factor of the boiler (page 5, line 20)

The summation in j is taken over all boilers on the common fuel feeder.

For example, given a 3 boiler group, the following computation would determine coal consumption at boiler No. 2:

$$c_2 = C\left(\frac{s_2 f_2}{s_1 f_1 + s_2 f_2 + s_3 f_3}\right) \qquad \text{(e)}$$

Where C is the total coal consumption for the group of boilers.

Sulfur emission estimates (as SO_2) are made for both coal and oil using the reported sulfur content and quantity of each fuel. The formulae are as follows:

COAL:

$$e = 1.96CS \times 10^{-2} \qquad \text{(f)}$$

Where:

e = SO_2 emission (in 1000 tons)
c = yearly coal consumption (page 2, line 13, column b)
s = annual average sulfur content of coal (page 2, line 13, column d)

OIL:

$$e = 3.355\ OS \times 10^{-3} \qquad (g)$$

Where:

e = SO_2 emission (in 1000 tons)
O = yearly oil consumption (page 2, line 13, column g)
s = annual average sulfur content of oil (page 2, line 13, column i)

NO_x emissions were estimated for all three types of fuel in accordance with EPA recommendations. However, the estimates of NO_x emissions resulting from coal firing were further refined to reflect the type of boiler, as follows:

(a) Pulverized coal and dry bottom firing

$$e = 9C \times 10^{-3} \qquad (h)$$

(b) Pulverized coal and wet bottom firing

$$e = 15C \times 10^{-3} \qquad (i)$$

(c) Cyclone Firing

$$e = 27.5C \times 10^{-3} \qquad (j)$$

(d) All firing not included in a, b and c, above

$$e = 7.5C \times 10^{-3} \qquad (k)$$

Where:

e = NO_x emission (in 1000 tons)
c = yearly coal consumption at the boiler, reported directly or derived using equation (d)

NO_x estimates from oil and gas are based on total consumption as follows:

$$e = 2.205\ O \times 10^{-3} \qquad (1)$$

Where:

O = yearly oil consumption (page 2, line 13, column g)

And:

$$e = 1.95g \times 10^{-4} \qquad (m)$$

Where:

g = yearly gas consumption (page 2, line 13, column j)

Section IV (Table 10) of this publication displays detailed information about each plant surveyed by Form 67. As noted before, this table is arranged alphabetically by company name. Each column starts with a header section containing very basic geographic and operating data on each plant. This is followed by two subdivisions entitled, "Air Quality Control Data" and "Water Quality Control Data".

It should be noted that many of the items displayed in Table 10 are summarized in the first 18 tables. All checking routines, editing procedures, and computational methods mentioned previously in connection with these items also apply to this table. Thus, the figures appearing in lines 39 through 41 of this table are the individual plant emissions as derived by the method applied to tables 2A and 2B.

Similarly, all fuel quality data in lines 12 through 21 of this table are arithmetic weighted averages as mentioned above in connection with Tables 1A and 1B.

Like limitations exist in the data of this table and in the summary tables. Btu and sulfur content estimates have been added where necessary to the fuel quality data. The installed cost of both air pollution control equipment and cooling facilities is incomplete where old equipment is involved. As elsewhere, the accuracy of particulate emission estimates is affected by the availability of reported precipitator efficiency figures. From this table, however, a feeling may be gained for the accuracy of a given particulate emissions estimate by using lines 30 through 35 to determine if company estimates of actual operating efficiency were available. If not, the next most reliable figures would be "tested efficiency" (page 6, Form 67) and then "design efficiency" (page 10, Form 67).

Line 64 of the Individual Plant Data reports the Average Rate of Consumption (in C.F.S.) of Cooling Water. For plants employing cooling towers this figure represents the direct evaporative loss from the towers. For plants employing once through cooling the figure represents the induced evaporative loss of the receiving water body. This loss is the increase over natural evaporation resulting from heat introduced with the returning cooling water. It represents the net loss of flow from a stream as a result of the plant's operation.

It will be noted that a calculated value of this water loss is given for plants using once through cooling. This figure was added because the response to this question was poor. This calculated approximation is a simple proportion of the total flow obtained according to the formula:

$$\text{consumption} = .0086 \times \text{withdrawal}$$

The derivation of this relationship is explained in footnote 14/, page 160. It should be recognized that the exact water loss will depend on site and design factors and meteorological conditions. The calculated figure given neglects these factors and is therefore to be taken as an order of magnitude estimate.

b. Summary Findings.

Comparing the fuel consumption reported by 654 steam-electric plants on Form 67 with the total quantities reported by similar plants on FPC Form 4, it is evident that a high degree of coverage was obtained with the Steam-Electric Plant Air and Water Quality Control questionnaire. The above is reflected in the following tabulation for steam-electric plants in the contiguous United States:

Fuel	Units of Measure	Reported Consumption		Form 67 As a Percent of Form 4
		FPC Form 4	FPC Form 67	
Coal	10^6 tons	310.5	303.8	97.85
Oil	10^6 Bbls	244.5	236.2	96.59
Gas	10^6 Mcf	3,480.9	3,319.3	95.36

In terms of total heat content, coal supplied 58.5 percent, gas 28.4 percent, and oil 13.1 percent of the thermal energy from fossil fuels used by steam plants for the generation of electricity. Of the three fuels, coal was responsible for the bulk of the pollutant emissions into the atmosphere by steam-electric plants. The shares which each of the fuels contributed to total emissions during the year are shown in the following tabulation:

Fuel	Percent of Total Emissions			
	Particulates	SO_2	NO_x	Total
Coal	99.3	91.7	75.1	89.8
Oil	0.7	8.3	11.5	7.7
Gas	-	-	13.4	2.5

Consequently, the regional distribution of air pollutant emissions was almost directly proportional to the levels of coal consumption.

Conversely, in regions where the primary utility fuels were oil and gas, the overall quantities of pollutants emitted to the atmosphere were relatively lower. The following tabulation shows the 1969 regional distribution of pollutant emissions in the contiguous United States.

Pollutant Emissions, in 1000 Tons

Geographic Region	Particulates	SO_2	NO_x	Total	Percent of Total
1. New England	34.7	618.8	194.9	848.4	3.3
2. Middle Atlantic	449.8	2,413.3	707.8	3,570.9	13.8
3. E. N. Central	1,508.2	7,091.5	1,497.6	10,097.3	39.1
4. W. N. Central	178.2	1,172.1	343.7	1,694.0	6.6
5. South Atlantic	1,102.4	2,717.4	885.3	4,705.1	18.2
6. E. S. Central	845.4	2,522.6	568.1	3,936.1	15.3
7. W. S. Central	.1	1.4	303.3	304.8	1.2
8. Mountain	167.6	119.8	131.0	418.4	1.6
9. Pacific	3.4	59.7	164.5	227.6	0.9
Total	4,289.8	16,716.6	4,796.2	2,5802.6	100.0
% by weight	16.6	64.8	18.6	100.0	

The total power plant emission levels shown above are in basic agreement with National Air Pollution Control Administration figures for the year 1968, published in the 1970 National Power Survey, of 5.6 million tons of particulate emissions, 16.8 million tons of SO_2 emissions, and 4.0 million tons of NO_x emissions. The apparent discrepancy in particulate emissions is due to the method of computation employed in this report whereby either the tested or design precipitator efficiency was used where actual operating efficiencies were not available. Tested and design efficiencies are usually higher than the actual operating efficiencies. Consequently, the particulate emissions shown in this report are probably lower than in reality.

In 1969, steam-electric plants reported total "air quality control expenses" at $59.6 million, or, on a national basis, 0.052 mills per kw-hr. Of the total expenses, $39.8 million (66.8 percent) was spent on "ash collection and disposal." In 1969, coal fired units generated 706 billion kilowatt-hours. The ash collection and disposal expenses, therefore, amounted to 0.056 mills per kilowatt-hour generated in coal-fired units.

The total installed cost of precipitators, in million of dollars, was:

Mechanical	42.3
Electrostatic	229.5
Combination	120.7
Total	392.5

Assuming fixed charges of 15 percent on the capital costs, the total particulate control expenses per year would amount to 0.14 mills per kilowatt-hour generated in coal fired units.

Expenditures for direct sulfur oxide and nitrogen oxide control were insignificant.

A factor of increasing importance in the siting and operation of steam-electric plants is the disposal of large quantities of waste heat. The amount of heat to be disposed of depends upon the type and efficiency of the plant. Although the most efficient plants achieve efficiencies of about 40 percent, the average for all steam-electric plants in 1969 was about 33 percent (heat rate of 10,447 Btu). In the operation of a plant, some heat is lost within the plant and through the stack. On the average, however, more than one-half of the heat input is discharged to the cooling water in the condensing process. The heat added to the water must then be dissipated by some cooling method.

The following tabulation shows the extent to which various types of cooling are used by the 651 plants for which information on cooling systems was obtained by the 1969 Form 67 reports relating to installed capacities totalling 242,927 megawatts:

	Use of Various Types of Cooling	
Cooling Method	% of Total Number of Plants	% of Total Installed Capacity
Once-through, fresh	49.8	50.5
Once-through, saline	18.9	23.5
Cooling ponds	5.4	5.9
Cooling towers	17.2	10.9
Combined systems	8.7	9.2
Total	100.0	100.0

As indicated, the majority of plants providing the major share of steam electric capacity employ once-through cooling using either fresh or saline water. Cooling ponds are important in the Texas-Gulf region. Cooling towers are important in the Ohio, Arkansas-White-Red, Texas-Gulf, and Lower Colorado regions. Implementation of new State and Federal water pollution control legislation will accelerate the use of cooling ponds and cooling towers. Most towers are of the evaporative type and little use has been made so far of non-evaporative (dry) cooling towers.

The total average rate of withdrawal of fresh water in 1969 for cooling purposes was reported to be 166,787 cubic feet per second. This is equivalent to about nine percent of the average annual runoff of all the streams in the conterminous United States. The average rate of consumption of fresh water was 2,376 cubic feet per second, or about 1.4 percent of the total withdrawals. This rate of consumption includes calculated rather than reported amounts for the losses due to induced evaporation in receiving water bodies at plants using once-through cooling. The total rate of withdrawal of saline water was 68,397 cubic feet per second. The use of saline water for cooling is important in all coastal regions.

The principal chemical additives reported for cooling water treatment were phosphate, lime, alum, and chlorine, with the latter being used in the largest amounts. The principal use of the additives is to prevent the fouling of condenser tubes. Phosphate, caustic soda, lime, alum, and chlorine were used for boiler water treatment, with caustic soda being used in the largest amounts.

The total reported capital cost of cooling water facilities is $973 million. The unit costs of the various types of cooling systems are shown in the following tabulation:

Type Cooling	Capital Cost per kw
Once-through, fresh	$ 3.84
Once-through, saline	4.50
Cooling ponds	5.57
Cooling towers	6.21

It should be recognized that the total installed costs of facilities exclude older equipment costs which are unknown and were not reported.

The total operating expenses for cooling water facilities in 1969 were reported to be $23.6 million for operation and maintenance and $5.7 million for chemical additives. Assuming fixed charges of 15 percent on the capital costs, the total expenses for the year would amount to $ 175.3 million. This is equivalent to approximately 0.15 mills per kilowatt-hour for the total generation of 1.142 trillion kilowatt-hours.

TABLE 1-A

FUEL CONSUMPTION AND QUALITY, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	COAL				OIL			GAS		LINE NO
		CONSUMPTION (1000 TONS)	AVERAGE HEATING VALUE (BTU/LB.)	AVERAGE SULFUR (%)	AVERAGE ASH (%)	CONSUMPTION (1000 BBLS)	AVERAGE HEATING VALUE (BTU/GAL.)	AVERAGE SULFUR (%)	CONSUMPTION (1000 MCF)	AVERAGE HEATING VALUE (BTU/CF.)	
	NEW ENGLAND										
1	CONNECTICUT	2,095.20	12,151	2.23	14.09	17,715.41	149,004	2.16	48.06	1,000	1
2	MAINE					3,042.00	149,036	1.94			2
3	MASSACHUSETTS	1,978.33	12,367	1.66	13.24	30,551.38	149,045	2.21	4,890.80	1,000	3
4	NEW HAMPSHIRE	952.70	13,515	2.47	6.81	1,592.00	149,165	2.55			4
5	RHODE ISLAND					2,930.66	148,349	2.20	1,142.80	1,039	5
6	VERMONT	42.08	13,022	2.82	9.53						6
7	**TOTALS**	**5,068.31**	**12,499**	**2.06**	**12.35**	**56,442.45**	**148,999**	**2.19**	**6,081.66**	**1,007**	7
	MIDDLE ATLANTIC										
8	NEW JERSEY	4,156.40	13,060	2.26	9.48	36,144.41	147,805	1.20	35,861.75	1,037	8
9	NEW YORK	12,923.69	12,854	1.99	10.77	43,675.96	147,741	1.31	106,127.56	1,035	9
10	PENNSYLVANIA	25,912.14	12,186	2.50	14.38	19,926.03	148,787	1.78	4,614.00	982	10
11	**TOTALS**	**42,992.23**	**12,471**	**2.33**	**12.82**	**99,746.34**	**147,973**	**1.37**	**146,603.31**	**1,034**	11
	EAST NORTH CENTRAL										
12	ILLINOIS	29,539.05	10,714	3.29	11.86	411.61	147,003	1.41	72,306.59	1,043	12
13	INDIANA	22,128.60	11,155	3.32	11.26	140.00	140,000	.24	18,846.50	1,017	13
14	MICHIGAN	21,102.23	12,006	2.67	11.77	1,230.07	141,353	.66	44,346.81	634	14
15	OHIO	32,946.50	11,568	3.36	13.95	47.20	137,586	.25	11,222.70	963	15
16	WISCONSIN	9,033.73	11,684	2.62	10.81	201.85	137,711	.30	22,803.55	1,025	16
17	**TOTALS**	**114,750.11**	**11,358**	**3.15**	**12.24**	**2,042.73**	**141,948**	**.74**	**169,526.15**	**925**	17
	WEST NORTH CENTRAL										
18	IOWA	3,292.60	10,528	3.00	10.10	12.77	139,730	.37	54,118.92	1,018	18
19	KANSAS	324.94	11,975	3.11	11.74	120.54	149,767	.70	137,760.86	1,003	19
20	MINNESOTA	4,795.30	10,898	2.65	10.12	470.54	143,604	1.55	47,507.30	1,002	20
21	MISSOURI	8,686.62	10,795	3.62	14.43	137.98	142,505	1.02	54,943.98	968	21
22	NEBRASKA	865.20	12,176	3.03	10.99	9.30	148,725	1.95	28,354.87	1,011	22
23	NORTH DAKOTA	2,455.30	6,881	.76	8.44	18.98	141,108	.10			23
24	SOUTH DAKOTA	26.47	11,768	3.32	11.51	99.11	140,405	.80	1,894.85	1,007	24
25	**TOTALS**	**20,446.43**	**10,385**	**2.92**	**11.81**	**831.02**	**144,043**	**1.24**	**324,580.78**	**1,000**	25
	SOUTH ATLANTIC										
26	DELAWARE	1,791.55	13,133	3.54	7.82	1,070.11	150,186	2.23	5,729.98	1,062	26
27	DISTRICT OF COLUMBIA	777.01	13,134	1.25	10.68	2,109.19	146,651	1.14	183.89	1,100	27
28	FLORIDA	4,532.80	11,483	3.35	11.07	34,251.48	149,441	2.11	168,147.23	1,009	28
29	GEORGIA	7,520.10	12,259	1.63	11.09	453.20	147,953	2.27	34,491.10	1,043	29
30	MARYLAND	6,721.97	12,825	2.19	11.91	3,904.14	147,803	2.07	73.22	1,021	30
31	NORTH CAROLINA	16,207.20	12,450	1.10	12.26	51.10	137,500	.08	3,964.60	1,045	31
32	SOUTH CAROLINA	3,560.63	12,379	1.10	11.75	1,129.26	149,484	2.45	27,885.49	1,048	32
33	VIRGINIA	8,084.82	12,760	1.04	11.72	8,027.27	148,155	2.23	724.70	1,102	33
34	WEST VIRGINIA	14,523.50	11,889	2.78	14.78	17.95	139,000	.25	702.00	522	34
35	**TOTALS**	**63,719.58**	**12,333**	**1.88**	**12.33**	**51,781.70**	**148,971**	**2.10**	**241,902.21**	**1,019**	35
	EAST SOUTH CENTRAL										
36	ALABAMA	15,376.00	11,724	2.34	13.82	81.46	138,535	.36	13,219.00	1,053	36
37	KENTUCKY	15,257.21	11,094	3.18	13.74	125.21	137,401	.25	7,071.50	1,035	37
38	MISSISSIPPI	548.10	12,400	2.85	10.10	205.02	146,836	3.28	85,109.54	1,042	38
39	TENNESSEE	15,462.70	11,478	2.76	13.98	76.55	137,534	.28	18,239.40	1,046	39
40	**TOTALS**	**46,644.01**	**11,444**	**2.76**	**13.80**	**548.84**	**142,120**	**1.72**	**123,639.44**	**1,043**	40
	WEST SOUTH CENTRAL										
41	ARKANSAS					320.20	150,123	1.14	81,482.28	1,019	41
42	LOUISIANA					4.34	148,325	.79	340,722.93	1,063	42
43	OKLAHOMA	1.07	12,805	1.37	10.09	4.25	147,424	.24	186,452.32	1,038	43
44	TEXAS					51.34	143,041	.88	943,161.21	1,037	44
45	**TOTALS**	**1.07**	**12,805**	**1.37**	**10.09**	**386.13**	**149,132**	**1.10**	**1,551,818.74**	**1,042**	45
	MOUNTAIN										
46	ARIZONA	397.00	10,503	.47	8.07	39.20	147,776	.95	54,346.56	1,064	46
47	COLORADO	2,709.22	10,648	.55	8.82	292.96	151,897	1.23	45,165.28	875	47
48	IDAHO										48
49	MONTANA	588.30	7,576	.57	7.75	100.00	153,095	4.20	1,515.40	1,172	49
50	NEVADA	631.50	12,693	.49	6.62	39.93	148,076	1.07	19,712.58	1,071	50
51	NEW MEXICO	2,777.30	8,900	.64	21.38	49.00	150,303	1.06	40,537.93	1,055	51
52	UTAH	360.42	12,551	.55	7.60	1,618.28	154,805	.88	3,223.99	933	52
53	WYOMING	2,705.54	8,413	.53	6.95	8.02	143,444	.21			53
54	**TOTALS**	**10,169.28**	**9,587**	**.56**	**11.48**	**2,151.87**	**153,963**	**1.10**	**164,501.74**	**1,009**	54
	PACIFIC										
55	CALIFORNIA					22,170.48	148,850	.80	589,218.04	1,071	55
56	OREGON	.06	11,500	2.50	11.50	73.93	150,392	1.26	1,458.00	1,042	56
57	WASHINGTON					11.72	148,516	1.87			57
58	**TOTALS**	**.06**	**11,500**	**2.50**	**11.50**	**22,258.13**	**148,855**	**.80**	**590,676.04**	**1,071**	58
	NON-CONTIGUOUS U.S.										
59	ALASKA										59
60	HAWAII					5,523.00	154,728	1.67			60
61	PUERTO RICO					10,941.28	150,666	2.13			61
62	VIRGIN ISLANDS										62
63	**TOTALS**					**16,464.88**	**152,029**	**1.98**			63
64	**U.S. TOTALS**	**303,791.08**	**11,628**	**2.59**	**12.53**	**252,654.09**	**148,727**	**1.68**	**3,319,330.07**	**1,033**	64

TABLE 1-B

FUEL CONSUMPTION AND QUALITY, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	COAL				OIL			GAS		AQCR NO
			AVERAGE				AVERAGE			AVERAGE	
		CONSUMPTION (1000 TONS)	HEATING VALUE (BTU/LB.)	SULFUR (%)	ASH (%)	CONSUMPTION (1000 BBLS)	HEATING VALUE (BTU/GAL.)	SULFUR (%)	CONSUMPTION (1000 MCF)	HEATING VALUE (BTU/CF.)	
1	ALABAMA AND TOMBIGBEE RIVERS										1
2	COLUMBUS-PHENIX CITY										2
3	EAST ALABAMA	224.00	11,935	1.00	11.79	.12	138,000	.29	3,832.00	1,043	3
4	METROPOLITAN BIRMINGHAM	6,514.40	11,841	1.32	13.65	20.00	138,174	.70			4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	3,176.90	12,127	2.51	11.47	352.32	142,977	2.43	100,576.70	1,041	5
6	SOUTHEAST ALABAMA										6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	7,315.60	11,530	3.30	14.19	47.97	138,814	.20			7
8	COOK INLET										8
9	NORTHERN ALASKA										9
10	SOUTH CENTRAL ALASKA										10
11	SOUTHEASTERN ALASKA										11
12	ARIZONA-NEW MEX. SOUTHERN BORDER										12
13	CLARK-MUHAVE	631.50	12,693	.49	6.62	0.00	139,429	1.23	10,438.45	1,086	13
14	FOUR CORNERS	3,174.30	9,100	.62	19.72				512.80	1,074	14
15	PHOENIX-TUCSON					30.00	147,684	.94	52,565.86	1,064	15
16	CENTRAL ARKANSAS					64.70	150,000	1.66	19,839.50	1,019	16
17	METROPOLITAN FORT SMITH										17
18	METROPOLITAN MEMPHIS	1,381.80	12,068	2.83	9.44	.97	138,789	.14	18,239.40	1,046	18
19	MONROE-EL DORADO								22,059.53	1,014	19
20	NORTHEAST ARKANSAS					647.80	150,162	.92	51,859.46	1,023	20
21	NORTHWEST ARKANSAS								1,859.57	1,024	21
22	SHREVEPORT-TEXARKANA-TYLER					19.09	150,022	2.63	110,526.80	1,038	22
23	GREAT BASIN VALLEY										23
24	METROPOLITAN LOS ANGELES					10,369.32	147,020	.60	354,894.72	1,069	24
25	NORTH CENTRAL COAST					437.00	153,817	1.48	61,894.94	1,091	25
26	NORTH COAST					32.20	152,300	1.10	2,918.50	1,035	26
27	NORTHEAST PLATEAU										27
28	SACRAMENTO VALLEY										28
29	SAN DIEGO					1,702.00	152,160	1.57	38,441.00	1,068	29
30	SAN FRANCISCO BAY AREA					3,157.27	155,400	1.25	95,363.19	1,065	30
31	SAN JOAQUIN VALLEY								66.29	1,091	31
32	SOUTH CENTRAL COAST					269.97	154,570	1.33	25,880.98	1,083	32
33	SOUTHEAST DESERT					8.44	151,119	2.03	10,058.42	1,078	33
34	CUMANCHE										34
35	GRAND MESA	150.92	11,098	.67	14.32	.12	138,948	.20	1,896.70	866	35
36	METROPOLITAN DENVER	1,852.90	10,588	.55	7.70	279.70	152,200	1.25	30,674.10	842	36
37	PAWNEE										37
38	SAN ISABEL	164.90	10,199	.63	14.41	12.20	146,800	.90	12,594.48	956	38
39	SAN LUIS										39
40	YAMPA	540.50	10,864	.48	9.41	.70	130,000	.20			40
41	EASTERN CONNECTICUT	468.40	12,453	2.00	12.31	20.14	140,000	.10			41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	1,575.48	11,701	2.37	17.01	11,344.65	148,930	2.12	931.16	1,000	42
43	NEW JERSEY-NEW YORK-CONNECTICUT	6,987.36	13,093	1.52	9.47	70,291.21	147,702	1.34	124,956.57	1,036	43
44	NORTHWESTERN CONNECTICUT										44
45	METROPOLITAN PHILADELPHIA	5,504.25	13,233	2.67	8.35	27,033.02	149,299	1.72	23,239.33	1,033	45
46	SOUTHERN DELAWARE	465.00	12,424	2.33	12.56	32.00	137,635	.20			46
47	NATIONAL CAPITAL	4,860.60	12,794	1.70	12.10	3,352.90	147,099	1.67	183.89	1,100	47
48	CENTRAL FLORIDA					3,667.03	149,835	2.22	44,687.03	1,016	48
49	JACKSONVILLE-BRUNSWICK	302.00	12,894	1.21	8.64	7,133.83	148,921	1.56	11,299.60	1,045	49
50	SOUTHEAST FLORIDA					13,130.31	149,777	2.26	90,419.30	1,001	50
51	SOUTHWEST FLORIDA					1,789.00	149,765	2.42	2,726.00	1,028	51
52	WEST CENTRAL FLORIDA	3,226.00	11,290	3.66	11.29	8,183.30	149,235	2.25	6,236.00	1,028	52
53	AUGUSTA-AIKEN	275.73	12,594	.98	10.73	.79	136,018	.10	10,413.34	1,049	53
54	CENTRAL GEORGIA	3,160.00	12,395	1.44	10.95				7,484.00	1,050	54
55	CHATTANOOGA	734.00	11,862	2.45	13.32						55
56	METROPOLITAN ATLANTA	2,865.00	12,048	1.75	11.27				14,700.70	1,035	56
57	NORTHEAST GEORGIA										57
58	SAVANNAH-BEAUFORT	788.74	12,573	1.17	12.31	458.16	147,346	2.24	17,981.97	1,050	58
59	SOUTHWEST GEORGIA	403.00	12,884	1.02	8.52						59
60	HAWAII (ENTIRE STATE)					5,263.00	154,728	1.67			60
61	EASTERN IDAHO										61
62	EASTERN WASH.-NORTHERN IDAHO										62
63	IDAHO										63
64	METROPOLITAN BOISE										64
65	BURLINGTON-KEOKUK	3,352.20	10,430	3.11	9.74	31.31	138,106	.28	1,320.66	1,000	65
66	EAST CENTRAL	654.32	11,094	2.58	9.33	.00	140,000	.10			66
67	METROPOLITAN CHICAGO	17,287.95	10,763	3.45	11.66	73.80	138,437	.50	58,187.16	1,034	67
68	METROPOLITAN DUBUQUE	867.20	11,159	3.27	10.71	4.44	141,875	.15	3,384.00	1,007	68
69	METROPOLITAN QUAD CITIES	834.50	11,043	2.57	9.28				16,083.00	1,048	69
70	METROPOLITAN ST. LOUIS	7,653.50	11,174	2.78	11.76	270.00	150,805	1.83	9,313.90	1,047	70
71	NORTH CENTRAL ILLINOIS	646.60	11,144	2.86	9.35				10,313.40	1,050	71
72	PADUCAH-CAIRO	13,216.94	10,993	3.22	13.63	119.27	137,531	.25			72
73	ROCKFORD-JANESVILLE-BELOIT	806.20	11,406	3.07	9.37	.70	158,000	.55	10,942.10	1,045	73
74	SOUTHEAST ILLINOIS	898.40	11,330	2.51	11.87	23.20	137,977	.25			74
75	WEST CENTRAL ILLINOIS	4,792.30	10,388	4.07	14.81	23.80	138,258	.45	67.90	990	75
76	EAST CENTRAL INDIANA										76
77	EVANSVILLE-OWENSBORO-HENDERSON	2,437.94	11,038	3.92	12.08	32.10	140,000	.10	100.90	1,000	77
78	LOUISVILLE	4,022.90	11,398	3.42	11.39	15.00	140,000	.31	6,970.40	1,035	78
79	METROPOLITAN CINCINNATI	6,514.39	11,552	2.96	13.70	47.33	138,000	.40	9,044.40	1,031	79
80	METROPOLITAN INDIANAPOLIS	1,991.90	11,331	3.51	10.44	13.90	140,000	.13	52.50	1,000	80
81	NORTHEAST INDIANA										81
82	SOUTH BEND-ELKHART-BENTON HARBOR	1,106.58	10,944	2.98	10.04				2,479.17	1,000	82
83	SOUTHERN INDIANA	4,283.00	11,064	3.19	11.43						83
84	WABASH VALLEY	4,255.00	10,964	3.04	10.51	77.00	140,000	.31			84

TABLE 1-B

(Contd)- FUEL CONSUMPTION AND QUALITY, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	COAL				OIL			GAS		AQCR NO
			AVERAGE				AVERAGE			AVERAGE	
		CONSUMPTION (1000 TONS)	HEATING VALUE (BTU/LB.)	SULFUR (%)	ASH (%)	CONSUMPTION (1000 BBLS)	HEATING VALUE (BTU/GAL.)	SULFUR (%)	CONSUMPTION (1000 MCF)	HEATING VALUE (BTU/CF.)	
85	METROPOL. OMAHA-COUNCIL BLUFFS	858.94	11,960	3.00	10.85				23,027.66	1,007	85
86	METROPOLITAN SIOUX CITY	172.40	11,199	3.10	10.26	.07	140,000	1.00	6,373.22	994	86
87	METROPOLITAN SIOUX FALLS	26.47	11,768	3.32	11.51	55.11	140,405	.80	1,894.85	1,007	87
88	NORTHEAST IOWA	770.30	10,506	2.62	8.57	2.00	149,376	1.64	7,494.10	1,033	88
89	NORTH CENTRAL IOWA										89
90	NORTHWEST IOWA										90
91	SOUTHEAST IOWA										91
92	SOUTH CENTRAL IOWA	740.80	9,632	4.09	14.22				19,790.40	1,006	92
93	SOUTHWEST IOWA										93
94	METROPOLITAN KANSAS CITY	1,178.74	11,921	3.31	11.98	109.20	142,436	1.03	58,200.59	960	94
95	NORTHEAST KANSAS	136.98	12,220	2.95	11.19	13.50	140,377	.72	27,370.60	1,025	95
96	NORTH CENTRAL KANSAS					0.16	150,000	.10	957.40	988	96
97	NORTHWEST KANSAS					11.10	150,000	1.50	5,627.00	964	97
98	SOUTHEAST KANSAS	20.27	12,011	3.47	13.19	49.70	149,158	.10	11,078.35	1,029	98
99	SOUTH CENTRAL KANSAS					67.30	150,476	.70	69,428.20	1,004	99
100	SOUTHWEST KANSAS					7.50	150,000	1.20	9,988.00	976	100
101	APPALACHIAN	48.54	12,475	1.41	12.63	1.50	132,000	.12			101
102	BLUEGRASS	856.02	12,099	2.18	12.04	2.10	132,000	.12			102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	6,638.30	11,548	3.15	14.01						103
104	NORTH CENTRAL KENTUCKY										104
105	SOUTH CENTRAL KENTUCKY	419.77	11,503	2.90	13.63	2.00	138,600	.12			105
106	SOUTHERN LOUISIANA-SE TEXAS					9.60	148,398	.80	378,082.40	1,057	106
107	ANDROSCOGGIN VALLEY					1,062.00	149,826	1.95			107
108	ARDOSTOOK										108
109	DOWN EAST										109
110	METROPOLITAN PORTLAND					6,062.00	148,400	1.93			110
111	NORTHWEST MAINE										111
112	CENTRAL MARYLAND										112
113	CUMBERLAND-KEYSER	3,094.50	11,882	2.08	17.28	9.17	139,000	.25			113
114	EASTERN SHORE	240.00	12,973	1.75	11.87	167.00	146,805	1.78			114
115	METROPOLITAN BALTIMORE	3,452.10	13,268	2.14	9.74	3,577.50	148,542	2.21	73.22	1,021	115
116	SOUTHERN MARYLAND										116
117	BERKSHIRE										117
118	CENTRAL MASSACHUSETTS	62.60	13,075	1.56	9.87	12.70	138,000	.10			118
119	METROPOLITAN BOSTON	243.30	13,501	1.30	6.51	17,930.70	148,907	2.24	1,274.00	1,000	119
120	METROPOLITAN PROVIDENCE	824.95	12,958	.98	8.75	1,262.00	149,119	2.18	3,829.20	1,012	120
121	MERRIMACK VALLEY-SOUTHERN N.H.	952.70	13,515	2.47	6.81	1,593.00	149,165	2.55			121
122	CENTRAL MICHIGAN	5,841.85	11,727	2.53	11.45	73.71	140,000	.33			122
123	METROPOLITAN DETROIT-PORT HURON	12,597.89	12,083	2.79	11.89	930.38	148,327	1.25	37,982.00	570	123
124	METROPOLITAN TOLEDO	2,878.90	12,015	2.52	12.53	609.00	136,833	.30	1,637.00	560	124
125	SOUTH CENTRAL MICHIGAN	1,133.79	12,540	2.32	11.28	10.62	136,790	.30	6,364.81	1,021	125
126	UPPER MICHIGAN	507.60	13,201	1.50	8.60						126
127	CENTRAL MINNESOTA										127
128	SOUTHEAST MINNESOTA-LA CROSSE	1,122.26	10,916	3.20	12.72	313.98	149,149	2.21	3,937.45	1,007	128
129	DULUTH-SUPERIOR	1,024.70	11,460	1.92	8.84				1,390.80	1,004	129
130	METROPOLITAN FARGO-MOORHEAD										130
131	MINNEAPOLIS-ST. PAUL	3,012.46	11,453	3.28	11.29	199.70	134,235	.25	41,630.04	1,001	131
132	NORTHWEST MINNESOTA	620.90	7,081	.75	6.32	1.10	140,000	.35			132
133	SOUTHWEST MINNESOTA	63.15	12,272	3.18	11.62	.60	134,200	.25	549.01	1,007	133
134	MISSISSIPPI DELTA					61.30	156,000	2.75	6,699.14	989	134
135	NORTHEAST MISSISSIPPI										135
136	NORTHERN PIEDMONT	778.00	12,514	1.00	12.39						136
137	NORTHERN MISSOURI	1,200.67	10,313	3.92	11.52						137
138	SOUTHEAST MISSOURI										138
139	SOUTHWEST MISSOURI	1,749.10	9,484	6.01	23.78	11.50	138,003	.60	7,319.00	997	139
140	BILLINGS	283.00	8,677	.58	8.31	135.00	153,095	4.20	1,500.00	1,173	140
141	GREAT FALLS										141
142	HELENA										142
143	MILES CITY	305.30	6,556	.56	7.23				15.40	1,060	143
144	MISSOULA										144
145	LINCOLN-BEATRICE-FAIRBURY	178.56	12,357	3.29	11.43	5.00	149,089	3.25	7,889.29	1,006	145
146	NEBRASKA					4.30	148,301	.43	2,214.12	1,063	146
147	NEVADA										147
148	NORTHWEST NEVADA					34.50	149,677	1.05	11,034.40	1,056	148
149	NEW HAMPSHIRE										149
150	NEW JERSEY	901.30	13,263	2.52	9.04	4.50	139,767	.10			150
151	NE PENN.-UPPER DELAWARE VALLEY	3,501.00	12,358	2.41	12.95	78.61	138,097	.27			151
152	ALBUQUERQUE-MID RIO GRANDE					63.50	149,990	.80	17,299.53	1,096	152
153	EL PASO-LAS CRUCES-ALAMOGORDO					9.50	151,088	1.70	24,747.00	1,072	153
154	NORTHEASTERN PLAINS										154
155	PECOS-PERMIAN BASIN					17.00			14,750.00	1,000	155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN										156
157	UPPER RIO GRANDE VALLEY										157
158	CENTRAL NEW YORK	816.00	13,325	2.52	8.08						158
159	CHAMPLAIN VALLEY	42.08	13,022	2.82	9.53						159
160	GENESEE-FINGER LAKES	1,463.39	12,742	2.60	10.55	101.42	137,556	.17	2.69	538	160
161	HUDSON VALLEY	1,948.00	12,264	2.26	12.72				4,130.00	1,021	161
162	NIAGARA FRONTIER	1,575.00	12,999	2.30	9.87						162
163	SOUTHERN TIER EAST	499.31	11,602	2.12	19.11	11.10	136,651	.10			163
164	SOUTHERN TIER WEST	2,389.83	12,502	2.46	13.27	23.37	137,565	.14			164
165	EASTERN MOUNTAIN	3,912.00	12,231	1.00	13.57						165
166	EASTERN PIEDMONT	3,182.60	12,667	1.40	11.34	22.70	137,500	.08			166
167	METROPOLITAN CHARLOTTE	6,063.00	12,362	1.00	12.76						167
168	NORTHERN COASTAL PLAIN										168

TABLE 1-B

(Contd)- FUEL CONSUMPTION AND QUALITY, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	COAL				OIL			GAS		AQCR NO
		CONSUMPTION (1000 TONS)	AVERAGE HEATING VALUE (BTU/LB.)	AVERAGE SULFUR (%)	AVERAGE ASH (%)	CONSUMPTION (1000 BBLS)	AVERAGE HEATING VALUE (BTU/GAL.)	AVERAGE SULFUR (%)	CONSUMPTION (100C MCF)	AVERAGE HEATING VALUE (BTU/CF.)	
169	SANDHILLS	267.50	13,124	1.00	9.50	8.20	137,500	.08	2,960.00	1,045	169
170	SOUTHERN COASTAL PLAIN	1,457.90	12,684	1.23	9.80	18.20	137,500	.08	1,004.60	1,045	170
171	WESTERN MOUNTAIN	546.20	12,128	1.10	10.50	2.00	137,500	.08			171
172	NORTH DAKOTA	2,455.30	6,881	.76	8.44	18.98	141,108	.10			172
173	DAYTON	2,023.31	12,157	1.45	10.84	.13	140,000	.75	541.30	1,045	173
174	GREATER METROPOLITAN CLEVELAND	5,150.10	11,685	3.03	12.85	19.01	137,300	.10			174
175	MANSFIELD-MARION										175
176	METROPOLITAN COLUMBUS	374.00	11,549	3.24	11.43						176
177	NORTHWEST OHIO	56.40	12,211	3.00	14.70						177
178	NORTHWEST PENN.-YOUNGSTOWN	4,997.50	11,974	3.43	14.65	34.71	138,495	.13			178
179	PARKERSBURG-MARIETTA	5,032.00	10,352	4.52	19.36	2.17	139,000	.25			179
180	SANDUSKY										180
181	STEUBENVILLE-WEIRTON-WHEELING	11,131.60	11,841	3.36	13.16						181
182	WILMINGTON-CHILLICOTHE-LOGAN										182
183	ZANESVILLE-CAMBRIDGE	2,236.70	10,976	4.33	15.20						183
184	CENTRAL OKLAHOMA	.97	12,971	1.30	10.30	1.75	146,328	.20	77,234.00	1,037	184
185	NORTH CENTRAL OKLAHOMA	.10	11,200	2.10	11.00				794.30	1,055	185
186	NORTHEASTERN OKLAHOMA					2.30	148,641	.26	61,162.90	1,017	186
187	NORTHWESTERN OKLAHOMA								8,122.33	1,053	187
188	SOUTHEASTERN OKLAHOMA								7,185.50	1,054	188
189	SOUTHWESTERN OKLAHOMA					.12	138,075	.33	31,953.29	1,074	189
190	CENTRAL OREGON										190
191	EASTERN OREGON										191
192	NORTHWEST OREGON										192
193	PORTLAND	.06	11,500	2.50	11.50	75.95	150,392	1.26	1,458.00	1,042	193
194	SOUTHWEST OREGON										194
195	CENTRAL PENNSYLVANIA	1,773.30	11,870	2.79	15.13	8.80	138,182	.19			195
196	SOUTH CENTRAL PENNSYLVANIA	2,973.00	12,165	2.04	15.10	89.09	137,747	.41			196
197	SOUTHWEST PENNSYLVANIA	11,475.34	11,953	2.35	15.91	227.39	134,019	.20	52.00	1,050	197
198	CAMDEN-SUMTER										198
199	CHARLESTON	13.75	12,000	1.25	13.00	1,100.53	149,792	2.52	3,086.56	1,050	199
200	COLUMBIA	506.20	12,401	1.14	10.96	4.30	137,697	.06	6,391.02	1,049	200
201	FLORENCE	447.50	12,852	1.20	9.50	18.80	137,500	.08			201
202	GREENVILLE-SPARTANBURG	1,042.22	11,978	1.00	12.48				2,322.00	1,034	202
203	GREENWOOD										203
204	GEORGETOWN	522.59	12,403	1.25	13.00						204
205	BLACK HILLS-RAPID CITY										205
206	SOUTH DAKOTA										206
207	EASTERN TENN.-SOUTHWESTERN VA.	9,715.90	11,671	1.70	15.30	64.97	137,526	.31			207
208	MIDDLE TENNESSEE	6,355.10	11,277	3.67	13.55	13.01	137,519	.17			208
209	WESTERN TENNESSEE										209
210	ABILENE-WICHITA FALLS					2.00	142,857	2.50	75,911.38	1,044	210
211	AMARILLO-LUBBOCK								60,683.24	992	211
212	AUSTIN-WACO					.30	141,259	.17	57,187.79	1,029	212
213	BROWNSVILLE-LAREDO								42,869.00	1,048	213
214	CORPUS CHRISTI-VICTORIA								35,156.00	1,025	214
215	METROPOLITAN DALLAS-FORT WORTH					12.00	146,119	.66	162,128.53	1,044	215
216	METROPOLITAN HOUSTON-GALVESTON								250,291.30	1,039	216
217	METROPOLITAN SAN ANTONIO					30.06	141,989	.87	49,648.40	1,038	217
218	MIDLAND-ODESSA-SAN ANGELO								30,712.50	1,083	218
219	UTAH	351.21	12,553	.55	7.66	3.30	140,000	.10			219
220	WASATCH FRONT	9.21	12,500	.55	5.50	1,015.00	154,837	.88	3,223.99	933	220
221	VERMONT										221
222	CENTRAL VIRGINIA										222
223	HAMPTON ROADS	1,255.80	13,381	1.64	7.42	3,963.40	148,078	2.21	724.70	1,102	223
224	NORTHEASTERN VIRGINIA	541.60	12,922	.99	9.78						224
225	STATE CAPITAL	1,734.50	13,069	1.23	9.34	1,797.90	148,190	2.32			225
226	VALLEY OF VIRGINIA	1,071.10	11,833	1.09	16.91	3.75	139,000	.25			226
227	NORTHERN WASHINGTON										227
228	OLYMPIA-NORTHWEST WASHINGTON										228
229	PUGET SOUND					11.72	148,516	1.87			229
230	SOUTH CENTRAL WASHINGTON										230
231	ALLEGHENY										231
232	CENTRAL WEST VIRGINIA										232
233	EASTERN PANHANDLE										233
234	KANAWHA VALLEY	1,653.00	12,533	.85	11.04						234
235	NORTH CENTRAL WEST VIRGINIA	4,482.00	12,218	3.20	13.98	15.70	139,000	.25	702.00	522	235
236	SOUTHERN WEST VIRGINIA										236
237	LAKE MICHIGAN	1,371.60	11,964	2.42	10.83	42.30	141,672	.34			237
238	NORTH CENTRAL WISCONSIN	176.80	11,693	3.24	10.84	2.40	139,000	.30	5,625.20	1,035	238
239	SOUTHEASTERN WISCONSIN	5,048.96	11,873	2.39	10.77	143.43	136,570	.36	7,731.45	1,028	239
240	SOUTHERN WISCONSIN	118.80	12,351	3.30	7.37	2.10	137,900	.28	7,179.90	1,018	240
241	CASPER	1,489.20	7,714	.51	8.54	3.80	146,000	.30			241
242	METROPOLITAN CHEYENNE										242
243	WYOMING	1,216.34	9,270	.55	5.00	2.82	140,000	.10			243
244	PUERTO RICO					10,991.20	150,666	2.13			244
245	AMERICAN SAMOA										245
246	GUAM										246
247	U. S. VIRGIN ISLANDS										247
	U.S. TOTALS	303,791.08	11,628	2.59	12.53	252,654.09	148,727	1.68	3,319,330.07	1,033	

TABLE 2-A

ESTIMATED ANNUAL EMISSIONS, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS)			LINE NO
				PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	
	NEW ENGLAND						
1	CONNECTICUT	3,210.25	18,136.29	15.21	219.79	57.57	1
2	MAINE	361.00	1,979.33	.00	23.69	8.03	2
3	MASSACHUSETTS	5,105.64	22,979.92	17.50	291.61	92.56	3
4	NEW HAMPSHIRE	637.99	3,517.80	1.15	59.77	29.72	4
5	RHODE ISLAND	348.63	1,429.56	.17	21.65	6.70	5
6	VERMONT	30.00	51.60	.03	2.32	.32	6
7	**TOTALS**	**9,693.51**	**48,094.47**	**34.74**	**618.83**	**194.90**	7
	MIDDLE ATLANTIC						
8	NEW JERSEY	6,546.60	30,400.58	19.37	333.06	161.06	8
9	NEW YORK	14,880.28	64,675.99	100.46	698.22	251.07	9
10	PENNSYLVANIA	14,051.34	68,776.57	323.72	1,385.02	295.69	10
11	**TOTALS**	**35,478.22**	**163,853.12**	**449.75**	**2,413.30**	**707.82**	11
	EAST NORTH CENTRAL						
12	ILLINOIS	14,431.03	63,521.95	443.63	1,907.36	441.80	12
13	INDIANA	9,351.30	50,564.33	260.72	1,441.84	339.29	13
14	MICHIGAN	9,299.70	51,215.95	223.65	1,106.34	225.07	14
15	OHIO	14,810.92	74,466.66	431.33	2,170.13	378.28	15
16	WISCONSIN	4,991.75	22,414.07	149.23	465.85	113.14	16
17	**TOTALS**	**52,884.70**	**262,182.96**	**1,508.18**	**7,091.52**	**1,497.58**	17
	WEST NORTH CENTRAL						
18	IOWA	2,190.26	10,624.74	48.70	193.12	51.94	18
19	KANSAS	2,777.98	11,581.51	10.81	20.09	31.88	19
20	MINNESOTA	2,844.36	14,040.52	44.66	251.83	61.38	20
21	MISSOURI	5,420.94	21,778.22	32.42	617.41	159.87	21
22	NEBRASKA	1,232.55	4,676.19	11.02	51.40	16.43	22
23	NORTH DAKOTA	512.00	2,922.20	29.39	36.35	21.44	23
24	SOUTH DAKOTA	123.00	198.55	.30	1.87	.71	24
25	**TOTALS**	**15,101.09**	**65,821.93**	**178.24**	**1,172.07**	**343.65**	25
	SOUTH ATLANTIC						
26	DELAWARE	683.00	4,052.90	11.14	130.74	22.53	26
27	DISTRICT OF COLUMBIA	824.00	2,623.30	3.50	27.33	14.07	27
28	FLORIDA	11,162.63	46,805.42	87.73	540.90	178.22	28
29	GEORGIA	4,399.50	21,937.91	80.70	244.53	116.00	29
30	MARYLAND	3,328.00	19,210.37	83.76	314.63	85.42	30
31	NORTH CAROLINA	6,564.42	42,594.30	300.02	350.31	149.97	31
32	SOUTH CAROLINA	2,223.44	12,209.86	123.07	85.88	51.75	32
33	VIRGINIA	5,106.46	26,230.08	93.21	228.77	93.45	33
34	WEST VIRGINIA	5,732.48	35,000.60	271.01	794.31	173.85	34
35	**TOTALS**	**40,023.93**	**210,664.74**	**1,102.42**	**2,717.40**	**885.26**	35
	EAST SOUTH CENTRAL						
36	ALABAMA	6,957.51	38,579.10	407.00	704.50	154.41	36
37	KENTUCKY	8,408.30	33,315.30	165.98	949.48	225.44	37
38	MISSISSIPPI	2,015.58	9,537.36	1.31	33.52	22.18	38
39	TENNESSEE	7,443.65	34,522.30	250.23	835.06	166.03	39
40	**TOTALS**	**24,825.04**	**115,954.06**	**845.40**	**2,522.56**	**568.06**	40
	WEST SOUTH CENTRAL						
41	ARKANSAS	1,872.84	8,161.70	.05	1.24	16.60	41
42	LOUISIANA	6,416.01	31,422.82		.01	66.42	42
43	OKLAHOMA	3,369.18	17,615.90	.07	.02	36.35	43
44	TEXAS	21,939.06	93,921.22		.14	183.89	44
45	**TOTALS**	**33,597.09**	**151,121.64**	**.12**	**1.41**	**303.26**	45
	MOUNTAIN						
46	ARIZONA	1,747.40	6,480.39	5.45	3.78	14.26	46
47	COLORADO	2,002.50	7,946.60	20.09	30.27	32.85	47
48	IDAHO						48
49	MONTANA	291.80	954.00	3.10	8.05	5.82	49
50	NEVADA	751.90	3,588.60	5.43	8.22	13.40	50
51	NEW MEXICO	2,233.90	8,458.20	91.97	34.96	33.00	51
52	UTAH	524.24	1,910.65	5.09	8.55	7.35	52
53	WYOMING	837.50	4,388.80	35.04	28.00	24.36	53
54	**TOTALS**	**8,389.24**	**33,727.24**	**167.57**	**119.83**	**131.04**	54
	PACIFIC						
55	CALIFORNIA	19,723.16	78,000.37	3.41	59.27	163.98	55
56	OREGON	141.60	6.33	.01	.32	.45	56
57	WASHINGTON	1,069.80	3,647.43		.07	.02	57
58	**TOTALS**	**20,934.56**	**81,654.13**	**3.42**	**59.66**	**164.45**	58
	NON-CONTIGUOUS U.S.						
59	ALASKA						59
60	HAWAII	764.35	3,322.00	.00	30.99	12.16	60
61	PUERTO RICO	1,338.00	5,635.30	1.84	78.28	24.13	61
62	VIRGIN ISLANDS						62
63	**TOTALS**	**2,102.35**	**8,957.30**	**2.72**	**109.27**	**36.29**	63
64	**U.S. TOTALS**	**243,029.73**	**1,142,031.59**	**4,292.56**	**16,825.85**	**4,832.31**	64

TABLE 2-B

ESTIMATED ANNUAL EMISSIONS, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS)			AQCR NO
				PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	
1	ALABAMA AND TOMBIGBEE RIVERS						1
2	COLUMBUS-PHENIX CITY						2
3	EAST ALABAMA	138.00	772.30	0.73	4.38	2.76	3
4	METROPOLITAN BIRMINGHAM	2,325.00	15,896.50	174.00	168.01	76.10	4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	3,634.08	16,976.86	30.72	159.07	52.78	5
6	SOUTHEAST ALABAMA						6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	3,374.51	17,994.80	200.90	472.61	58.07	7
8	COOK INLET						8
9	NORTHERN ALASKA						9
10	SOUTH CENTRAL ALASKA						10
11	SOUTHEASTERN ALASKA						11
12	ARIZONA-NEW MEX. SOUTHERN BORDER						12
13	CLARK-MOHAVE	583.90	2,632.02	5.43	6.09	11.51	13
14	FOUR CORNERS	1,445.00	5,592.90	97.42	38.50	28.67	14
15	PHOENIX-TUCSON	1,557.40	5,466.47		.12	10.34	15
16	CENTRAL ARKANSAS	464.00	1,680.60	.01	.36	3.97	16
17	METROPOLITAN FORT SMITH						17
18	METROPOLITAN MEMPHIS	990.00	5,161.10	5.40	76.64	41.55	18
19	MONROE-EL DORADO	517.53	1,885.10			4.30	19
20	NORTHEAST ARKANSAS	1,162.00	5,618.90	.04	.76	10.66	20
21	NORTHWEST ARKANSAS	59.84	166.00			.36	21
22	SHREVEPORT-TEXARKANA-TYLER	2,277.81	10,797.84		.12	21.58	22
23	GREAT BASIN VALLEY						23
24	METROPOLITAN LOS ANGELES	10,707.96	47,865.00	2.48	33.63	105.96	24
25	NORTH CENTRAL COAST	2,174.70	7,538.90	.07	2.17	13.03	25
26	NORTH COAST	162.40	232.00	.01	.12	.64	26
27	NORTHEAST PLATEAU						27
28	SACRAMENTO VALLEY						28
29	SAN DIEGO	1,598.00	7,470.57	.28	8.90	11.23	29
30	SAN FRANCISCO BAY AREA	3,522.40	10,854.71	.53	13.21	25.50	30
31	SAN JOAQUIN VALLEY	165.50	1.59			.01	31
32	SOUTH CENTRAL COAST	1,056.30	3,045.20	.04	1.18	5.63	32
33	SOUTHEAST DESERT	335.90	992.40		.06	1.98	33
34	COMANCHE						34
35	GRAND MESA	109.50	394.80	2.40	1.94	1.63	35
36	METROPOLITAN DENVER	1,448.80	6,263.30	45.10	21.12	22.34	36
37	PAWNEE						37
38	SAN ISABEL	281.00	1,288.50	2.27	2.07	4.01	38
39	SAN LUIS						39
40	YAMPA	163.20		.78	5.09	4.87	40
41	EASTERN CONNECTICUT	176.00	1,050.40	7.12	18.32	4.24	41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	2,303.74	13,166.67	15.70	155.14	39.49	42
43	NEW JERSEY-NEW YORK-CONNECTICUT	16,755.72	70,227.93	22.98	560.26	275.88	43
44	NORTHWESTERN CONNECTICUT						44
45	METROPOLITAN PHILADELPHIA	5,119.20	27,641.90	51.04	449.83	126.16	45
46	SOUTHERN DELAWARE	163.20	1,184.50	.79	21.26	4.26	46
47	NATIONAL CAPITAL	3,145.00	15,344.40	30.31	192.10	57.78	47
48	CENTRAL FLORIDA	1,502.63	6,584.83	.25	27.27	16.79	48
49	JACKSONVILLE-BRUNSWICK	1,529.16	5,886.80	1.53	44.82	22.63	49
50	SOUTHEAST FLORIDA	3,574.74	17,007.44	.39	99.66	46.60	50
51	SOUTHWEST FLORIDA	619.30	1,470.20	.10	16.14	4.92	51
52	WEST CENTRAL FLORIDA	3,361.80	12,428.65	70.20	293.35	77.25	52
53	AUGUSTA-AIKEN	250.00	1,729.50	.19	5.30	6.17	53
54	CENTRAL GEORGIA	1,927.00	8,939.90	10.04	89.51	47.93	54
55	CHATTANOOGA	375.00	1,726.90	20.09	35.53	11.10	55
56	METROPOLITAN ATLANTA	1,410.00	8,035.80	25.87	99.18	44.93	56
57	NORTHEAST GEORGIA						57
58	SAVANNAH-BEAUFORT	815.10	4,060.61	27.02	21.59	16.35	58
59	SOUTHWEST GEORGIA	218.00	996.60	2.78	7.94	3.57	59
60	HAWAII (ENTIRE STATE)	764.35	3,322.00	.88	30.99	12.16	60
61	EASTERN IDAHO						61
62	EASTERN WASH.-NORTHERN IDAHO						62
63	IDAHO						63
64	METROPOLITAN BOISE						64
65	BURLINGTON-KEOKUK	1,581.78	4,997.24	96.71	204.54	40.21	65
66	EAST CENTRAL	212.30	1,065.60	7.41	33.35	5.72	66
67	METROPOLITAN CHICAGO	8,773.40	40,135.68	40.77	1,167.55	289.96	67
68	METROPOLITAN DUBUQUE	370.32	2,093.30	12.41	35.53	20.30	68
69	METROPOLITAN QUAD CITIES	580.85	3,044.30	8.44	42.05	13.71	69
70	METROPOLITAN ST. LOUIS	3,612.10	16,871.00	51.39	419.15	109.13	70
71	NORTH CENTRAL ILLINOIS	425.25	2,444.25	5.80	30.30	9.46	71
72	PADUCAH-CAIRO	5,671.45	28,606.80	133.57	835.43	196.88	72
73	ROCKFORD-JANESVILLE-BELOIT	437.88	2,482.32	9.02	48.51	17.24	73
74	SOUTHEAST ILLINOIS	445.14	1,869.30	90.17	44.13	8.09	74
75	WEST CENTRAL ILLINOIS	2,307.57	9,273.42	90.50	382.35	115.66	75
76	EAST CENTRAL INDIANA						76
77	EVANSVILLE-OWENSBORO-HENDERSON	1,453.14	4,910.60	27.90	187.08	33.57	77
78	LOUISVILLE	2,304.50	9,401.90	4.70	269.34	37.60	78
79	METROPOLITAN CINCINNATI	3,141.25	14,727.00	124.00	378.54	90.87	79
80	METROPOLITAN INDIANAPOLIS	924.98	3,566.52	34.02	136.97	19.67	80
81	NORTHEAST INDIANA						81
82	SOUTH BEND-ELKHART-BENTON HARBOR	609.03	2,217.75	39.00	64.56	19.12	82
83	SOUTHERN INDIANA	1,304.00	10,167.60	12.70	267.60	64.20	83
84	WABASH VALLEY	1,813.75	9,055.76	90.49	253.91	62.25	84

TABLE 2-B

(Contd) - ESTIMATED ANNUAL EMISSIONS, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS)			AQCR NO
				PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	
85	METROPOL. OMAHA-COUNCIL BLUFFS	1,062.30	4,176.14	[illegible]	50.45	12.20	85
86	METROPOLITAN SIOUX CITY	187.00	963.88	[illegible]	10.45	5.97	86
87	METROPOLITAN SIOUX FALLS	123.00	198.55	.30	1.87	.71	87
88	NORTHEAST IOWA	500.90	1,834.30	[illegible]	39.25	12.13	88
89	NORTH CENTRAL IOWA						89
90	NORTHWEST IOWA						90
91	SOUTHEAST IOWA						91
92	SOUTH CENTRAL IOWA	586.80	2,820.06	[illegible]	54.30	12.05	92
93	SOUTHWEST IOWA						93
94	METROPOLITAN KANSAS CITY	2,450.72	6,442.36	[illegible]	76.75	34.07	94
95	NORTHEAST KANSAS	556.25	1,059.80	0.27	7.95	6.60	95
96	NORTH CENTRAL KANSAS	33.75	69.57			.20	96
97	NORTHWEST KANSAS	119.10	498.70		.06	1.12	97
98	SOUTHEAST KANSAS	268.50	976.70	.74	1.38	2.37	98
99	SOUTH CENTRAL KANSAS	1,227.00	6,732.40	.01	.15	13.69	99
100	SOUTHWEST KANSAS	229.50	867.40		.03	1.96	100
101	APPALACHIAN	37.50	89.10	.93	1.34	.44	101
102	BLUEGRASS	585.00	1,903.50	[illegible]	36.61	7.70	102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	3,148.60	16,869.90	[illegible]	409.46	77.11	103
104	NORTH CENTRAL KENTUCKY						104
105	SOUTH CENTRAL KENTUCKY	354.00	935.10	7.00	23.86	3.78	105
106	SOUTHERN LOUISIANA-SE TEXAS	6,855.55	35,526.90		.01	73.70	106
107	ANOROSCOGGIN VALLEY	147.00	772.40	.03	10.63	3.58	107
108	AROOSTOOK						108
109	DOWN EAST						109
110	METROPOLITAN PORTLAND	214.00	1,206.90	.03	13.06	4.45	110
111	NORTHWEST MAINE						111
112	CENTRAL MARYLAND						112
113	CUMBERLAND-KEYSER	1,329.98	7,380.87	[illegible]	126.10	27.76	113
114	EASTERN SHORE	94.50	451.90	1.70	9.00	2.37	114
115	METROPOLITAN BALTIMORE	1,729.00	10,827.30	23.07	169.75	55.22	115
116	SOUTHERN MARYLAND						116
117	BERKSHIRE						117
118	CENTRAL MASSACHUSETTS	34.50	132.94	.01	1.92	.59	118
119	METROPOLITAN BOSTON	2,384.45	11,256.56	3.72	141.26	43.58	119
120	METROPOLITAN PROVIDENCE	2,570.93	10,634.00	2.30	120.40	44.52	120
121	MERRIMACK VALLEY-SOUTHERN N.H.	637.99	3,517.80	[illegible]	59.77	29.72	121
122	CENTRAL MICHIGAN	2,408.50	14,024.77	76.00	290.27	52.58	122
123	METROPOLITAN DETRUIT-PORT HURON	5,439.00	30,000.00	[illegible]	690.56	138.89	123
124	METROPOLITAN TOLEDO	1,442.00	7,419.30	[illegible]	142.42	26.13	124
125	SOUTH CENTRAL MICHIGAN	719.50	2,882.98	3.00	51.64	15.70	125
126	UPPER MICHIGAN	249.70	1,630.60	7.30	14.92	7.20	126
127	CENTRAL MINNESOTA						127
128	SOUTHEAST MINNESOTA-LA CROSSE	752.60	2,823.53	[illegible]	72.79	11.52	128
129	DULUTH-SUPERIOR	388.60	2,109.50	[illegible]	38.54	9.49	129
130	METROPOLITAN FARGO-MOORHEAD						130
131	MINNEAPOLIS-ST. PAUL	2,097.26	10,417.54	[illegible]	193.88	43.60	131
132	NORTHWEST MINNESOTA	136.90	741.20	[illegible]	9.13	5.56	132
133	SOUTHWEST MINNESOTA	66.00	158.70	[illegible]	3.94	.65	133
134	MISSISSIPPI DELTA	220.50	638.60	.01	.57	1.44	134
135	NORTHEAST MISSISSIPPI						135
136	NORTHERN PIEDMONT	290.00	1,980.30	[illegible]	15.26	7.01	136
137	NORTHERN MISSOURI	470.00	2,452.60	.20	92.25	33.02	137
138	SOUTHEAST MISSOURI						138
139	SOUTHWEST MISSOURI	711.10	3,818.40	[illegible]	205.86	17.18	139
140	BILLINGS	241.80	640.90	.42	4.70	3.07	140
141	GREAT FALLS						141
142	HELENA						142
143	MILES CITY	50.00	313.10	[illegible]	3.35	2.75	143
144	MISSOULA						144
145	LINCOLN-BEATRICE-FAIRBURY	258.65	1,120.75	[illegible]	11.58	6.27	145
146	NEBRASKA	42.20	178.10	.01	.01	.44	146
147	NEVADA						147
148	NORTHWEST NEVADA	243.00	1,100.00		.13	2.23	148
149	NEW HAMPSHIRE						149
150	NEW JERSEY	349.20	2,310.07	1.80	44.34	22.24	150
151	NE PENN.-UPPER DELAWARE VALLEY	1,320.30	7,880.40	[illegible]	165.41	32.45	151
152	ALBUQUERQUE-MID RIO GRANDE	335.00	1,635.29		.07	3.42	152
153	EL PASO-LAS CRUCES-ALAMOGORDO	500.80	2,398.30		.05	4.81	153
154	NORTHEASTERN PLAINS						154
155	PECOS-PERMIAN BASIN	333.90	1,402.01			2.92	155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN						156
157	UPPER RIO GRANDE VALLEY						157
158	CENTRAL NEW YORK	376.00	1,981.80	[illegible]	40.31	12.24	158
159	CHAMPLAIN VALLEY	30.00	51.60	.03	2.32	.32	159
160	GENESEE-FINGER LAKES	628.80	3,047.55	[illegible]	74.54	15.88	160
161	HUDSON VALLEY	931.91	5,365.10	[illegible]	86.09	18.33	161
162	NIAGARA FRONTIER	828.00	4,162.40	[illegible]	86.95	18.06	162
163	SOUTHERN TIER EAST	205.75	959.80	[illegible]	21.04	6.63	163
164	SOUTHERN TIER WEST	968.00	6,070.50	[illegible]	115.33	25.97	164
165	EASTERN MOUNTAIN	1,560.00	10,611.90	77.65	76.68	35.21	165
166	EASTERN PIEDMONT	1,488.83	8,661.60	[illegible]	87.34	28.68	166
167	METROPOLITAN CHARLOTTE	2,226.00	15,133.00	[illegible]	118.84	54.57	167
168	NORTHERN COASTAL PLAIN						168

TABLE 2-B

(Contd)- ESTIMATED ANNUAL EMISSIONS, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS) PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	AQCR NO
169	SANDHILLS	165.50	918.50	[illegible]	5.24	3.00	169
170	SOUTHERN COASTAL PLAIN	627.45	3,850.80	21.41	35.17	16.58	170
171	WESTERN MOUNTAIN	206.64	1,438.20	1.01	11.78	4.92	171
172	NORTH DAKOTA	512.00	2,922.20	29.59	36.35	21.44	172
173	DAYTON	986.10	4,489.52	51.40	57.48	18.14	173
174	GREATER METROPOLITAN CLEVELAND	2,004.37	11,372.55	55.02	306.17	50.15	174
175	MANSFIELD-MARION						175
176	METROPOLITAN COLUMBUS	305.75	602.29	23.57	23.80	4.70	176
177	NORTHWEST OHIO	30.50	84.40	5.03	3.32	.51	177
178	NORTHWEST PENN.-YOUNGSTOWN	1,948.80	11,082.10	33.03	336.01	55.60	178
179	PARKERSBURG-MARIETTA	2,085.00	10,637.10	105.04	445.85	82.11	179
180	SANDUSKY						180
181	STEUBENVILLE-WEIRTON-WHEELING	4,954.95	26,460.40	96.27	732.39	132.31	181
182	WILMINGTON-CHILLICOTHE-LOGAN						182
183	ZANESVILLE-CAMBRIDGE	877.50	4,193.80	69.35	192.05	40.01	183
184	CENTRAL OKLAHOMA	1,480.53	7,558.39	.08	.32	15.05	184
185	NORTH CENTRAL OKLAHOMA	40.00	51.37	.01		.16	185
186	NORTHEASTERN OKLAHOMA	904.15	5,690.26			11.92	186
187	NORTHWESTERN OKLAHOMA	191.00	849.40			1.58	187
188	SOUTHEASTERN OKLAHOMA	156.50	547.00			1.41	188
189	SOUTHWESTERN OKLAHOMA	597.00	2,919.48			6.23	189
190	CENTRAL OREGON						190
191	EASTERN OREGON						191
192	NORTHWEST OREGON						192
193	PORTLAND	174.90	6.33	.01	.32	.45	193
194	SOUTHWEST OREGON						194
195	CENTRAL PENNSYLVANIA	534.78	3,323.70	33.75	95.81	15.61	195
196	SOUTH CENTRAL PENNSYLVANIA	1,817.73	7,281.60	65.64	119.20	26.85	196
197	SOUTHWEST PENNSYLVANIA	6,114.73	25,086.17	170.72	530.49	123.44	197
198	CAMDEN-SUMTER						198
199	CHARLESTON	372.80	735.60	.10	9.63	3.15	199
200	COLUMBIA	366.20	1,979.46	19.91	11.29	8.52	200
201	FLORENCE	206.64	1,125.10	6.89	10.04	3.88	201
202	GREENVILLE-SPARTANBURG	375.00	2,711.40	87.07	20.44	9.78	202
203	GREENWOOD						203
204	GEORGETOWN	163.20	1,311.80	2.21	12.80	7.84	204
205	BLACK HILLS-RAPID CITY						205
206	SOUTH DAKOTA						206
207	EASTERN TENN.-SOUTHWESTERN VA.	4,382.25	23,550.60	121.41	323.40	87.53	207
208	MIDDLE TENNESSEE	2,740.40	11,164.50	103.74	457.25	54.86	208
209	WESTERN TENNESSEE						209
210	ABILENE-WICHITA FALLS	1,702.69	7,736.60		.02	14.80	210
211	AMARILLO-LUBBOCK	1,375.80	5,313.90			11.74	211
212	AUSTIN-WACO	1,687.13	5,511.80			11.16	212
213	BROWNSVILLE-LAREDO	814.20	4,188.80			8.37	213
214	CORPUS CHRISTI-VICTORIA	885.70	3,340.90			6.85	214
215	METROPOLITAN DALLAS-FORT WORTH	4,593.34	16,055.71		.02	31.64	215
216	METROPOLITAN HOUSTON-GALVESTON	5,571.95	25,695.29			48.79	216
217	METROPOLITAN SAN ANTONIO	1,458.17	4,861.60		.10	9.77	217
218	MIDLAND-ODESSA-SAN ANGELO	536.40	3,423.40			5.98	218
219	UTAH	188.60	781.10	5.02	3.79	3.17	219
220	WASATCH FRONT	335.64	1,129.55	.37	4.76	4.18	220
221	VERMONT						221
222	CENTRAL VIRGINIA						222
223	HAMPTON ROADS	1,124.64	5,811.97	8.33	69.69	20.95	223
224	NORTHEASTERN VIRGINIA	284.28	1,338.70	14.33	10.51	5.01	224
225	STATE CAPITAL	1,586.94	5,653.51	6.17	55.83	20.25	225
226	VALLEY OF VIRGINIA	435.60	2,479.80	17.41	22.78	9.60	226
227	NORTHERN WASHINGTON						227
228	OLYMPIA-NORTHWEST WASHINGTON						228
229	PUGET SOUND	176.50	1.23		.07	.02	229
230	SOUTH CENTRAL WASHINGTON	860.00	3,646.20				230
231	ALLEGHENY						231
232	CENTRAL WEST VIRGINIA						232
233	EASTERN PANHANDLE						233
234	KANAWHA VALLEY	699.50	4,159.00	12.21	27.57	14.79	234
235	NORTH CENTRAL WEST VIRGINIA	1,605.00	11,074.70	41.79	283.18	41.64	235
236	SOUTHERN WEST VIRGINIA						236
237	LAKE MICHIGAN	872.50	2,935.40	12.12	66.27	23.00	237
238	NORTH CENTRAL WISCONSIN	135.00	903.60	12.51	11.23	3.75	238
239	SOUTHEASTERN WISCONSIN	2,695.80	12,555.67	70.21	236.34	42.68	239
240	SOUTHERN WISCONSIN	195.50	836.70	1.03	7.67	2.57	240
241	CASPER	456.70	2,189.00	25.00	14.89	13.41	241
242	METROPOLITAN CHEYENNE						242
243	WYOMING	380.80	2,199.80	10.34	13.11	10.95	243
244	PUERTO RICO	1,338.00	5,635.30	1.84	78.28	24.13	244
245	AMERICAN SAMOA						245
246	GUAM						246
247	U. S. VIRGIN ISLANDS						247
	U.S. TOTALS	**243,029.73**	**1,142,031.59**	**4,292.56**	**16,825.85**	**4,832.31**	

TABLE 3-A

ASH AND SULFUR COLLECTION AND DISPOSAL, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		LINE NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
	NEW ENGLAND							
1	CONNECTICUT	344.54	24.70					1
2	MAINE	.37	.02					2
3	MASSACHUSETTS	305.55	12.42					3
4	NEW HAMPSHIRE	35.60	35.60					4
5	RHODE ISLAND							5
6	VERMONT	4.10						6
7	**TOTALS**	**690.16**	**72.74**					**7**
	MIDDLE ATLANTIC							
8	NEW JERSEY	400.15	97.68					8
9	NEW YORK	1,134.42	52.75					9
10	PENNSYLVANIA	3,629.18	432.98			.12	.12	10
11	**TOTALS**	**5,163.75**	**583.41**			**.12**	**.12**	**11**
	EAST NORTH CENTRAL							
12	ILLINOIS	2,968.18	10.70					12
13	INDIANA	2,399.78	200.40					13
14	MICHIGAN	2,240.52	228.50					14
15	OHIO	4,555.70	200.90					15
16	WISCONSIN	815.40	15.10					16
17	**TOTALS**	**12,979.58**	**655.60**					**17**
	WEST NORTH CENTRAL							
18	IOWA	282.36	12.00					18
19	KANSAS	34.89						19
20	MINNESOTA	442.75	13.90					20
21	MISSOURI	1,157.21	133.20					21
22	NEBRASKA	85.20						22
23	NORTH DAKOTA	151.10						23
24	SOUTH DAKOTA	2.85						24
25	**TOTALS**	**2,156.36**	**159.10**					**25**
	SOUTH ATLANTIC							
26	DELAWARE	134.29	7.10					26
27	DISTRICT OF COLUMBIA	81.80	17.50					27
28	FLORIDA	716.82	506.52					28
29	GEORGIA	790.40	2.30					29
30	MARYLAND	779.50	72.50					30
31	NORTH CAROLINA	1,610.15	12.60					31
32	SOUTH CAROLINA	319.72	.50					32
33	VIRGINIA	831.54	136.29					33
34	WEST VIRGINIA	1,931.44	175.00					34
35	**TOTALS**	**7,195.66**	**930.31**					**35**
	EAST SOUTH CENTRAL							
36	ALABAMA	1,708.50	53.00					36
37	KENTUCKY	1,979.71	23.70					37
38	MISSISSIPPI	54.80						38
39	TENNESSEE	1,876.20	20.90					39
40	**TOTALS**	**5,619.21**	**97.60**					**40**
	WEST SOUTH CENTRAL							
41	ARKANSAS							41
42	LOUISIANA							42
43	OKLAHOMA							43
44	TEXAS							44
45	**TOTALS**							**45**
	MOUNTAIN							
46	ARIZONA							46
47	COLORADO	217.20	4.50					47
48	IDAHO							48
49	MONTANA	42.30	2.70					49
50	NEVADA	35.10	2.65					50
51	NEW MEXICO	596.00						51
52	UTAH	20.80	2.05					52
53	WYOMING	157.60	7.30					53
54	**TOTALS**	**1,069.00**	**19.20**					**54**
	PACIFIC							
55	CALIFORNIA	.37						55
56	OREGON							56
57	WASHINGTON							57
58	**TOTALS**	**.37**						**58**
	NON-CONTIGUOUS U.S.							
59	ALASKA							59
60	HAWAII	.20	.20					60
61	PUERTO RICO							61
62	VIRGIN ISLANDS							62
63	**TOTALS**	**.20**	**.20**					**63**
64	**U.S. TOTALS**	**34,874.29**	**2,518.16**			**.12**	**.12**	**64**

TABLE 3-B

ASH AND SULFUR COLLECTION AND DISPOSAL, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		AQCR NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
1	ALABAMA AND TOMBIGBEE RIVERS							1
2	COLUMBUS-PHENIX CITY							2
3	EAST ALABAMA	20.10						3
4	METROPOLITAN BIRMINGHAM	705.90	38.00					4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	325.90	.60					5
6	SOUTHEAST ALABAMA							6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	838.50	14.40					7
8	COOK INLET							8
9	NORTHERN ALASKA							9
10	SOUTH CENTRAL ALASKA							10
11	SOUTHEASTERN ALASKA							11
12	ARIZONA-NEW MEX. SOUTHERN BORDER							12
13	CLARK-MOHAVE	35.10	2.65					13
14	FOUR CORNERS	596.00						14
15	PHOENIX-TUCSON							15
16	CENTRAL ARKANSAS							16
17	METROPOLITAN FORT SMITH							17
18	METROPOLITAN MEMPHIS	134.30						18
19	MONROE-EL DORADO							19
20	NORTHEAST ARKANSAS							20
21	NORTHWEST ARKANSAS							21
22	SHREVEPORT-TEXARKANA-TYLER							22
23	GREAT BASIN VALLEY							23
24	METROPOLITAN LOS ANGELES	.37						24
25	NORTH CENTRAL COAST							25
26	NORTH COAST							26
27	NORTHEAST PLATEAU							27
28	SACRAMENTO VALLEY							28
29	SAN DIEGO							29
30	SAN FRANCISCO BAY AREA							30
31	SAN JOAQUIN VALLEY							31
32	SOUTH CENTRAL COAST							32
33	SOUTHEAST DESERT							33
34	COMANCHE							34
35	GRAND MESA	20.10						35
36	METROPOLITAN DENVER	126.70	4.50					36
37	PAWNEE							37
38	SAN ISABEL	22.90						38
39	SAN LUIS							39
40	YAMPA	47.50						40
41	EASTERN CONNECTICUT	92.70						41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	273.75	19.97					42
43	NEW JERSEY-NEW YORK-CONNECTICUT	368.40	42.75					43
44	NORTHWESTERN CONNECTICUT							44
45	METROPOLITAN PHILADELPHIA	427.75	62.78					45
46	SOUTHERN DELAWARE	60.59						46
47	NATIONAL CAPITAL	570.70	28.00					47
48	CENTRAL FLORIDA	.20						48
49	JACKSONVILLE-BRUNSWICK	532.05	506.00					49
50	SOUTHEAST FLORIDA	.90	.20					50
51	SOUTHWEST FLORIDA	.10						51
52	WEST CENTRAL FLORIDA	82.52	.32					52
53	AUGUSTA-AIKEN	27.50	.50					53
54	CENTRAL GEORGIA	353.30	2.30					54
55	CHATTANOOGA	70.62						55
56	METROPOLITAN ATLANTA	302.49						56
57	NORTHEAST GEORGIA							57
58	SAVANNAH-BEAUFORT	94.18						58
59	SOUTHWEST GEORGIA	34.00						59
60	HAWAII (ENTIRE STATE)	.20	.20					60
61	EASTERN IDAHO							61
62	EASTERN WASH.-NORTHERN IDAHO							62
63	IDAHO							63
64	METROPOLITAN BOISE							64
65	BURLINGTON-KEOKUK	222.86	10.70					65
66	EAST CENTRAL	55.90						66
67	METROPOLITAN CHICAGO	1,916.72	123.50					67
68	METROPOLITAN DUBUQUE	70.60						68
69	METROPOLITAN QUAD CITIES	60.50						69
70	METROPOLITAN ST. LOUIS	843.00	59.00					70
71	NORTH CENTRAL ILLINOIS	53.70						71
72	PADUCAH-CAIRO	1,641.79						72
73	ROCKFORD-JANESVILLE-BELOIT	63.10						73
74	SOUTHEAST ILLINOIS	21.30						74
75	WEST CENTRAL ILLINOIS	597.90						75
76	EAST CENTRAL INDIANA							76
77	EVANSVILLE-OWENSBORO-HENDERSON	260.64						77
78	LOUISVILLE	442.90	23.70					78
79	METROPOLITAN CINCINNATI	931.60	28.30					79
80	METROPOLITAN INDIANAPOLIS	156.76	9.50					80
81	NORTHEAST INDIANA							81
82	SOUTH BEND-ELKHART-BENTON HARBOR	106.70	34.10					82
83	SOUTHERN INDIANA	486.00	5.00					83
84	WABASH VALLEY	319.72						84

TABLE 3-B

(Contd)-ASH AND SULFUR COLLECTION AND DISPOSAL, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		AQCR NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
85	METROPOL. OMAHA-COUNCIL BLUFFS	81.41						85
86	METROPOLITAN SIOUX CITY	14.30						86
87	METROPOLITAN SIOUX FALLS	2.85						87
88	NORTHEAST IOWA	52.16						88
89	NORTH CENTRAL IOWA							89
90	NORTHWEST IOWA							90
91	SOUTHEAST IOWA							91
92	SOUTH CENTRAL IOWA	95.70	12.00					92
93	SOUTHWEST IOWA							93
94	METROPOLITAN KANSAS CITY	73.83						94
95	NORTHEAST KANSAS	12.40						95
96	NORTH CENTRAL KANSAS							96
97	NORTHWEST KANSAS							97
98	SOUTHEAST KANSAS	2.67						98
99	SOUTH CENTRAL KANSAS							99
100	SOUTHWEST KANSAS							100
101	APPALACHIAN	5.33						101
102	BLUEGRASS	93.52						102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	935.30	2.70					103
104	NORTH CENTRAL KENTUCKY							104
105	SOUTH CENTRAL KENTUCKY	49.13						105
106	SOUTHERN LOUISIANA-SE TEXAS							106
107	ANDROSCOGGIN VALLEY	.17						107
108	AROOSTOOK							108
109	DOWN EAST							109
110	METROPOLITAN PORTLAND	.20	.02					110
111	NORTHWEST MAINE							111
112	CENTRAL MARYLAND							112
113	CUMBERLAND-KEYSER	435.90	5.40					113
114	EASTERN SHORE	29.00						114
115	METROPOLITAN BALTIMORE	317.60	61.10					115
116	SOUTHERN MARYLAND							116
117	BERKSHIRE							117
118	CENTRAL MASSACHUSETTS	5.60						118
119	METROPOLITAN BOSTON	59.95	.85					119
120	METROPOLITAN PROVIDENCE	75.31	.30					120
121	MERRIMACK VALLEY-SOUTHERN N.H.	35.60	35.60					121
122	CENTRAL MICHIGAN	627.90	35.20					122
123	METROPOLITAN DETROIT-PORT HURON	1,317.02	185.10					123
124	METROPOLITAN TOLEDO	331.00						124
125	SOUTH CENTRAL MICHIGAN	128.30	8.20					125
126	UPPER MICHIGAN	43.60						126
127	CENTRAL MINNESOTA							127
128	SOUTHEAST MINNESOTA-LA CROSSE	119.89						128
129	DULUTH-SUPERIOR	74.30						129
130	METROPOLITAN FARGO-MOURHEAD							130
131	MINNEAPOLIS-ST. PAUL	326.76	13.00					131
132	NORTHWEST MINNESOTA	31.10	.90					132
133	SOUTHWEST MINNESOTA	4.50						133
134	MISSISSIPPI DELTA							134
135	NORTHEAST MISSISSIPPI							135
136	NORTHERN PIEDMONT	45.80	5.40					136
137	NORTHERN MISSOURI	128.40						137
138	SOUTHEAST MISSOURI							138
139	SOUTHWEST MISSOURI	400.70	74.20					139
140	BILLINGS	23.00	2.00					140
141	GREAT FALLS							141
142	HELENA							142
143	MILES CITY	19.30	.70					143
144	MISSOULA							144
145	LINCOLN-BEATRICE-FAIRBURY	19.29						145
146	NEBRASKA							146
147	NEVADA							147
148	NORTHWEST NEVADA							148
149	NEW HAMPSHIRE							149
150	NEW JERSEY	81.40	55.90					150
151	NE PENN.-UPPER DELAWARE VALLEY	454.20	138.60			.12	.12	151
152	ALBUQUERQUE-MID RIO GRANDE							152
153	EL PASO-LAS CRUCES-ALAMOGURDO							153
154	NORTHEASTERN PLAINS							154
155	PECOS-PERMIAN BASIN							155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN							156
157	UPPER RIO GRANDE VALLEY							157
158	CENTRAL NEW YORK	74.00						158
159	CHAMPLAIN VALLEY	4.10						159
160	GENESEE-FINGER LAKES	217.40	15.40					160
161	HUDSON VALLEY	230.40						161
162	NIAGARA FRONTIER	152.50	1.30					162
163	SOUTHERN TIER EAST	95.80	19.50					163
164	SOUTHERN TIER WEST	319.70	15.80					164
165	EASTERN MOUNTAIN	458.40	2.20					165
166	EASTERN PIEDMONT	302.00						166
167	METROPOLITAN CHARLOTTE	607.95	5.00					167
168	NORTHERN COASTAL PLAIN							168

TABLE 3-B

(Contd)-ASH AND SULFUR COLLECTION AND DISPOSAL, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		AQCR NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
169	SANDHILLS	22.00						169
170	SOUTHERN COASTAL PLAIN	119.00						170
171	WESTERN MOUNTAIN	55.00						171
172	NORTH DAKOTA	151.10						172
173	DAYTON	205.00						173
174	GREATER METROPOLITAN CLEVELAND	727.10	15.50					174
175	MANSFIELD-MARION							175
176	METROPOLITAN COLUMBUS	19.50						176
177	NORTHWEST OHIO							177
178	NORTHWEST PENN.-YOUNGSTOWN	686.53	109.50					178
179	PARKERSBURG-MARIETTA	937.80	9.30					179
180	SANDUSKY							180
181	STEUBENVILLE-WEIRTON-WHEELING	1,525.00	156.30					181
182	WILMINGTON-CHILLICOTHE-LOGAN							182
183	ZANESVILLE-CAMBRIDGE	314.30	68.00					183
184	CENTRAL OKLAHOMA							184
185	NORTH CENTRAL OKLAHOMA							185
186	NORTHEASTERN OKLAHOMA							186
187	NORTHWESTERN OKLAHOMA							187
188	SOUTHEASTERN OKLAHOMA							188
189	SOUTHWESTERN OKLAHOMA							189
190	CENTRAL OREGON							190
191	EASTERN OREGON							191
192	NORTHWEST OREGON							192
193	PORTLAND							193
194	SOUTHWEST OREGON							194
195	CENTRAL PENNSYLVANIA	232.99						195
196	SOUTH CENTRAL PENNSYLVANIA	419.20						196
197	SOUTHWEST PENNSYLVANIA	1,834.66	221.18					197
198	CAMDEN-SUMTER							198
199	CHARLESTON	2.28						199
200	COLUMBIA	31.97						200
201	FLORENCE	34.00						201
202	GREENVILLE-SPARTANBURG	72.59						202
203	GREENWOOD							203
204	GEORGETOWN	61.14						204
205	BLACK HILLS-RAPID CITY							205
206	SOUTH DAKOTA							206
207	EASTERN TENN.-SOUTHWESTERN VA.	,387.60	33.00					207
208	MIDDLE TENNESSEE	673.90						208
209	WESTERN TENNESSEE							209
210	ABILENE-WICHITA FALLS							210
211	AMARILLO-LUBBOCK							211
212	AUSTIN-WACO							212
213	BROWNSVILLE-LAREDO							213
214	CORPUS CHRISTI-VICTORIA							214
215	METROPOLITAN DALLAS-FORT WORTH							215
216	METROPOLITAN HOUSTON-GALVESTON							216
217	METROPOLITAN SAN ANTONIO							217
218	MIDLAND-ODESSA-SAN ANGELO							218
219	UTAH	20.53	2.05					219
220	WASATCH FRONT	.27						220
221	VERMONT							221
222	CENTRAL VIRGINIA							222
223	HAMPTON ROADS	89.10						223
224	NORTHEASTERN VIRGINIA	41.00						224
225	STATE CAPITAL	114.64	107.84					225
226	VALLEY OF VIRGINIA	168.30	11.85					226
227	NORTHERN WASHINGTON							227
228	OLYMPIA-NORTHWEST WASHINGTON							228
229	PUGET SOUND							229
230	SOUTH CENTRAL WASHINGTON							230
231	ALLEGHENY							231
232	CENTRAL WEST VIRGINIA							232
233	EASTERN PANHANDLE							233
234	KANAWHA VALLEY	183.80	47.40					234
235	NORTH CENTRAL WEST VIRGINIA	573.94	.50					235
236	SOUTHERN WEST VIRGINIA							236
237	LAKE MICHIGAN	128.90	7.10					237
238	NORTH CENTRAL WISCONSIN	1.80						238
239	SOUTHEASTERN WISCONSIN	470.70	8.00					239
240	SOUTHERN WISCONSIN	7.40						240
241	CASPER	105.90	7.30					241
242	METROPOLITAN CHEYENNE							242
243	WYOMING	51.70						243
244	PUERTO RICO							244
245	AMERICAN SAMOA							245
246	GUAM							246
247	U. S. VIRGIN ISLANDS							247
	U.S. TOTALS	34,874.29	2,518.16			.12	.12	

TABLE 4 -A

AIR QUALITY CONTROL EXPENSES, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		LINE NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
	NEW ENGLAND						
1	CONNECTICUT	828.69	488.71	8.90			1
2	MAINE						2
3	MASSACHUSETTS	2,469.12	304.92	69.13			3
4	NEW HAMPSHIRE	41.00	41.00	40.70			4
5	RHODE ISLAND	41.56	15.00				5
6	VERMONT	56.00	56.00				6
7	**TOTALS**	**3,436.37**	**905.63**	**124.73**			**7**
	MIDDLE ATLANTIC						
8	NEW JERSEY	2,290.80	829.80	44.43			8
9	NEW YORK	3,335.74	2,164.53	291.40			9
10	PENNSYLVANIA	5,331.90	3,982.83	139.75			10
11	**TOTALS**	**10,958.44**	**6,977.16**	**475.58**			**11**
	EAST NORTH CENTRAL						
12	ILLINOIS	5,204.39	5,641.89	15.77			12
13	INDIANA	2,322.30	2,311.30	52.00			13
14	MICHIGAN	4,966.20	2,159.90	280.80			14
15	OHIO	5,450.20	5,434.90	100.00			15
16	WISCONSIN	1,182.60	1,152.60	2.00			16
17	**TOTALS**	**19,125.69**	**16,700.59**	**431.57**			**17**
	WEST NORTH CENTRAL						
18	IOWA	339.07	339.07	.20			18
19	KANSAS	268.10	244.60		23.50		19
20	MINNESOTA	415.50	378.50	13.02			20
21	MISSOURI	1,105.23	1,105.23	175.00	36.00		21
22	NEBRASKA	117.60	117.60				22
23	NORTH DAKOTA	106.80	105.80				23
24	SOUTH DAKOTA	13.50	13.50				24
25	**TOTALS**	**2,365.80**	**2,304.30**	**188.22**	**59.50**		**25**
	SOUTH ATLANTIC						
26	DELAWARE	93.18	93.10	43.00			26
27	DISTRICT OF COLUMBIA	407.43	407.43	5.19			27
28	FLORIDA	9,475.20	514.30	161.50			28
29	GEORGIA	623.50	613.20	.20			29
30	MARYLAND	1,210.40	1,192.60	50.09			30
31	NORTH CAROLINA	743.93	738.54	19.33			31
32	SOUTH CAROLINA	133.41	133.41	1.82			32
33	VIRGINIA	1,448.49	1,431.49	55.05			33
34	WEST VIRGINIA	2,464.80	2,459.80	133.40			34
35	**TOTALS**	**16,600.34**	**7,583.87**	**471.58**			**35**
	EAST SOUTH CENTRAL						
36	ALABAMA	1,340.50	1,340.50	31.62			36
37	KENTUCKY	1,778.77	1,768.58	29.00			37
38	MISSISSIPPI						38
39	TENNESSEE	1,632.00	1,632.00	56.00			39
40	**TOTALS**	**4,751.27**	**4,741.08**	**117.22**			**40**
	WEST SOUTH CENTRAL						
41	ARKANSAS						41
42	LOUISIANA						42
43	OKLAHOMA						43
44	TEXAS						44
45	**TOTALS**						**45**
	MOUNTAIN						
46	ARIZONA	10.48	10.48				46
47	COLORADO	246.10	246.90	11.10			47
48	IDAHO						48
49	MONTANA	35.60	34.60	5.70			49
50	NEVADA			2.15			50
51	NEW MEXICO	99.70	99.70				51
52	UTAH	62.45	62.45	10.25			52
53	WYOMING	41.30	69.26	23.10			53
54	**TOTALS**	**495.63**	**523.39**	**52.30**			**54**
	PACIFIC						
55	CALIFORNIA	1,876.16	35.10	1.38			55
56	OREGON						56
57	WASHINGTON						57
58	**TOTALS**	**1,876.16**	**35.10**	**1.38**			**58**
	NON-CONTIGUOUS U.S.						
59	ALASKA						59
60	HAWAII	23.90	14.40	5.00			60
61	PUERTO RICO						61
62	VIRGIN ISLANDS						62
63	**TOTALS**	**23.90**	**14.40**	**5.00**			**63**
64	**U.S. TOTALS**	**59,633.60**	**39,785.52**	**1,867.58**	**59.50**		**64**

TABLE 4-B

AIR QUALITY CONTROL EXPENSES, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		AQCR NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
1	ALABAMA AND TOMBIGBEE RIVERS						1
2	COLUMBUS-PHENIX CITY						2
3	EAST ALABAMA	51.00	51.00				3
4	METROPOLITAN BIRMINGHAM	338.00	338.00				4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	327.40	322.40	1.02			5
6	SOUTHEAST ALABAMA						6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	802.00	802.00	30.00			7
8	COOK INLET						8
9	NORTHERN ALASKA						9
10	SOUTH CENTRAL ALASKA						10
11	SOUTHEASTERN ALASKA						11
12	ARIZONA-NEW MEX. SOUTHERN BORDER						12
13	CLARK-MOHAVE			2.15			13
14	FOUR CORNERS	110.18	110.18				14
15	PHOENIX-TUCSON						15
16	CENTRAL ARKANSAS						16
17	METROPOLITAN FORT SMITH						17
18	METROPOLITAN MEMPHIS	184.00	184.00	13.00			18
19	MONROE-EL DORADO						19
20	NORTHEAST ARKANSAS						20
21	NORTHWEST ARKANSAS						21
22	SHREVEPORT-TEXARKANA-TYLER						22
23	GREAT BASIN VALLEY						23
24	METROPOLITAN LOS ANGELES	1,857.76	35.10	1.38			24
25	NORTH CENTRAL COAST	18.00					25
26	NORTH COAST						26
27	NORTHEAST PLATEAU						27
28	SACRAMENTO VALLEY						28
29	SAN DIEGO						29
30	SAN FRANCISCO BAY AREA						30
31	SAN JOAQUIN VALLEY						31
32	SOUTH CENTRAL COAST						32
33	SOUTHEAST DESERT	.40					33
34	COMANCHE						34
35	GRAND MESA	43.70	43.70				35
36	METROPOLITAN DENVER	155.50	155.50	11.10			36
37	PAWNEE						37
38	SAN ISABEL	22.60	23.40				38
39	SAN LUIS						39
40	YAMPA	24.30	24.30				40
41	EASTERN CONNECTICUT	84.00	84.00				41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	596.41	381.38	11.00			42
43	NEW JERSEY-NEW YORK-CONNECTICUT	3,793.54	1,463.33	294.20			43
44	NORTHWESTERN CONNECTICUT						44
45	METROPOLITAN PHILADELPHIA	432.00	429.00	60.90			45
46	SOUTHERN DELAWARE	17.18	17.10				46
47	NATIONAL CAPITAL	1,299.73	1,270.73	12.59			47
48	CENTRAL FLORIDA	1,297.60	40.60	1.20			48
49	JACKSONVILLE-BRUNSWICK	138.00	112.00	96.70			49
50	SOUTHEAST FLORIDA	7,792.30	170.90	19.00			50
51	SOUTHWEST FLORIDA	81.90	30.40	1.80			51
52	WEST CENTRAL FLORIDA	46.50	46.50	42.20			52
53	AUGUSTA-AIKEN	8.96	8.96	1.82			53
54	CENTRAL GEORGIA	227.20	227.20	.20			54
55	CHATTANOOGA	54.10	54.10				55
56	METROPOLITAN ATLANTA	196.60	196.60				56
57	NORTHEAST GEORGIA						57
58	SAVANNAH-BEAUFORT	12.40	2.10				58
59	SOUTHWEST GEORGIA	74.20	74.20				59
60	HAWAII (ENTIRE STATE)	23.90	14.40	5.00			60
61	EASTERN IDAHO						61
62	EASTERN WASH.-NORTHERN IDAHO						62
63	IDAHO						63
64	METROPOLITAN BOISE						64
65	BURLINGTON-KEOKUK	247.48	239.98	15.77			65
66	EAST CENTRAL	39.57	39.57				66
67	METROPOLITAN CHICAGO	4,518.84	4,513.84	20.00			67
68	METROPOLITAN DUBUQUE	62.70	62.70				68
69	METROPOLITAN QUAD CITIES	72.00	72.00				69
70	METROPOLITAN ST. LOUIS	933.90	799.90	88.00	36.00		70
71	NORTH CENTRAL ILLINOIS	103.60	103.60				71
72	PADUCAH-CAIRO	881.70	1,342.70				72
73	ROCKFORD-JANESVILLE-BELOIT	192.40	192.40				73
74	SOUTHEAST ILLINOIS						74
75	WEST CENTRAL ILLINOIS	528.50	528.50				75
76	EAST CENTRAL INDIANA						76
77	EVANSVILLE-OWENSBORO-HENDERSON	174.57	164.58				77
78	LOUISVILLE	522.70	522.50	29.60			78
79	METROPOLITAN CINCINNATI	266.30	254.30	14.30			79
80	METROPOLITAN INDIANAPOLIS	220.60	220.60	3.60			80
81	NORTHEAST INDIANA						81
82	SOUTH BEND-ELKHART-BENTON HARBOR	127.40	121.40	12.60			82
83	SOUTHERN INDIANA	475.00	475.00	2.00			83
84	WABASH VALLEY	301.30	301.30				84

TABLE 4-B

(Contd)- AIR QUALITY CONTROL EXPENSES, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		AQCR NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
85	METROPOL. OMAHA-COUNCIL BLUFFS	132.50	132.50				85
86	METROPOLITAN SIOUX CITY	14.47	14.47				86
87	METROPOLITAN SIOUX FALLS	13.50	13.50				87
88	NORTHEAST IOWA	89.60	89.60				88
89	NORTH CENTRAL IOWA						89
90	NORTHWEST IOWA						90
91	SOUTHEAST IOWA						91
92	SOUTH CENTRAL IOWA	99.50	99.50	.20			92
93	SOUTHWEST IOWA						93
94	METROPOLITAN KANSAS CITY	449.93	447.93				94
95	NORTHEAST KANSAS	63.80	40.30		23.50		95
96	NORTH CENTRAL KANSAS						96
97	NORTHWEST KANSAS						97
98	SOUTHEAST KANSAS	5.90	5.90				98
99	SOUTH CENTRAL KANSAS						99
100	SOUTHWEST KANSAS						100
101	APPALACHIAN	2.00	2.00				101
102	BLUEGRASS	17.80	17.80				102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	751.00	751.00	1.00			103
104	NORTH CENTRAL KENTUCKY						104
105	SOUTH CENTRAL KENTUCKY	370.70	370.70				105
106	SOUTHERN LOUISIANA-SE TEXAS						106
107	ANOROSCOGGIN VALLEY						107
108	AROOSTOOK						108
109	OOWN EAST						109
110	METROPOLITAN PORTLAND						110
111	NORTHWEST MAINE						111
112	CENTRAL MARYLAND						112
113	CUMBERLAND-KEYSER	1,532.90	1,526.10	3.40			113
114	EASTERN SHORE	39.00	39.00				114
115	METROPOLITAN BALTIMORE	630.20	630.20	43.29			115
116	SOUTHERN MARYLAND						116
117	BERKSHIRE						117
118	CENTRAL MASSACHUSETTS	36.90	26.90				118
119	METROPOLITAN BOSTON	2,224.10	157.35	45.03			119
120	METROPOLITAN PROVIDENCE	149.36	48.30	19.00			120
121	MERRIMACK VALLEY-SOUTHERN N.H.	41.30	41.00	48.70			121
122	CENTRAL MICHIGAN	647.30	636.10	57.80			122
123	METROPOLITAN DETROIT-PORT HURON	4,049.50	1,266.70	191.00			123
124	METROPOLITAN TOLEDO	397.40	397.40	.20			124
125	SOUTH CENTRAL MICHIGAN	214.30	161.50	14.80			125
126	UPPER MICHIGAN		40.20				126
127	CENTRAL MINNESOTA						127
128	SOUTHEAST MINNESOTA-LA CROSSE	84.10	54.10				128
129	DULUTH-SUPERIOR	41.10	41.10				129
130	METROPOLITAN FARGO-MOORHEAD						130
131	MINNEAPOLIS-ST. PAUL	334.90	297.90	8.22			131
132	NORTHWEST MINNESOTA	17.40	17.40	8.80			132
133	SOUTHWEST MINNESOTA	9.30	9.30				133
134	MISSISSIPPI DELTA						134
135	NORTHEAST MISSISSIPPI						135
136	NORTHERN PIEDMONT	5.20	5.22	5.40			136
137	NORTHERN MISSOURI		136.00				137
138	SOUTHEAST MISSOURI						138
139	SOUTHWEST MISSOURI	345.70	329.70	87.00			139
140	BILLINGS	15.00	15.00	5.00			140
141	GREAT FALLS						141
142	HELENA						142
143	MILES CITY	20.60	19.60	.70			143
144	MISSOULA						144
145	LINCOLN-BEATRICE-FAIRBURY	22.10	22.10				145
146	NEBRASKA						146
147	NEVADA						147
148	NORTHWEST NEVADA						148
149	NEW HAMPSHIRE						149
150	NEW JERSEY	11.80	11.80	12.43			150
151	NE PENN.-UPPER DELAWARE VALLEY	598.00	183.00	21.30			151
152	ALBUQUERQUE-MID RIO GRANDE						152
153	EL PASO-LAS CRUCES-ALAMOGORDO						153
154	NORTHEASTERN PLAINS						154
155	PECOS-PERMIAN BASIN						155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN						156
157	UPPER RIO GRANDE VALLEY						157
158	CENTRAL NEW YORK	19.60	19.60				158
159	CHAMPLAIN VALLEY	56.00	56.00				159
160	GENESEE-FINGER LAKES	443.20	426.60	1.10			160
161	HUDSON VALLEY	127.00	115.00				161
162	NIAGARA FRONTIER	301.00	301.00	1.30			162
163	SOUTHERN TIER EAST	73.20	73.20	9.40			163
164	SOUTHERN TIER WEST	479.80	479.80	7.80			164
165	EASTERN MOUNTAIN	115.99	116.00	4.33			165
166	EASTERN PIEDMONT	199.00	199.00				166
167	METROPOLITAN CHARLOTTE	212.74	212.32	9.00			167
168	NORTHERN COASTAL PLAIN						168

TABLE 4-B

(Contd)-AIR QUALITY CONTROL EXPENSES, BY AIR QUALITY CONTROL REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		AQCR NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
169	SANDHILLS	41.00	41.00				169
170	SOUTHERN COASTAL PLAIN	115.00	115.00				170
171	WESTERN MOUNTAIN	55.00	50.00				171
172	NORTH DAKOTA	106.80	105.80				172
173	DAYTON	580.10	580.10				173
174	GREATER METROPOLITAN CLEVELAND	2,059.50	2,059.50	5.00			174
175	MANSFIELD-MARION						175
176	METROPOLITAN COLUMBUS	65.00	65.00				176
177	NORTHWEST OHIO						177
178	NORTHWEST PENN.-YOUNGSTOWN	1,041.45	986.25	65.20			178
179	PARKERSBURG-MARIETTA	537.70	537.70	1.80			179
180	SANDUSKY						180
181	STEUBENVILLE-WEIRTON-WHEELING	959.00	955.70	59.30			181
182	WILMINGTON-CHILLICOTHE-LOGAN						182
183	ZANESVILLE-CAMBRIDGE	244.80	244.80	12.70			183
184	CENTRAL OKLAHOMA						184
185	NORTH CENTRAL OKLAHOMA						185
186	NORTHEASTERN OKLAHOMA						186
187	NORTHWESTERN OKLAHOMA						187
188	SOUTHEASTERN OKLAHOMA						188
189	SOUTHWESTERN OKLAHOMA						189
190	CENTRAL OREGON						190
191	EASTERN OREGON						191
192	NORTHWEST OREGON						192
193	PORTLAND						193
194	SOUTHWEST OREGON						194
195	CENTRAL PENNSYLVANIA	216.50	205.00				195
196	SOUTH CENTRAL PENNSYLVANIA	213.00	189.00				196
197	SOUTHWEST PENNSYLVANIA	3,973.05	2,721.68	113.33			197
198	CAMDEN-SUMTER						198
199	CHARLESTON	23.64	23.64				199
200	COLUMBIA						200
201	FLORENCE	32.00	32.00				201
202	GREENVILLE-SPARTANBURG	51.91	51.91				202
203	GREENWOOD						203
204	GEORGETOWN	16.90	16.90				204
205	BLACK HILLS-RAPID CITY						205
206	SOUTH DAKOTA						206
207	EASTERN TENN.-SOUTHWESTERN VA.	876.50	876.50	52.80			207
208	MIDDLE TENNESSEE	657.00	657.00	1.00			208
209	WESTERN TENNESSEE						209
210	ABILENE-WICHITA FALLS						210
211	AMARILLO-LUBBOCK						211
212	AUSTIN-WACO						212
213	BROWNSVILLE-LAREDO						213
214	CORPUS CHRISTI-VICTORIA						214
215	METROPOLITAN DALLAS-FORT WORTH						215
216	METROPOLITAN HOUSTON-GALVESTON						216
217	METROPOLITAN SAN ANTONIO						217
218	MIDLAND-ODESSA-SAN ANGELO						218
219	UTAH	49.10	49.10	10.25			219
220	WASATCH FRONT	13.35	13.35				220
221	VERMONT						221
222	CENTRAL VIRGINIA						222
223	HAMPTON ROADS	369.00	367.00				223
224	NORTHEASTERN VIRGINIA	29.00	28.00				224
225	STATE CAPITAL	411.00	410.00	30.00			225
226	VALLEY OF VIRGINIA	61.69	61.69	5.45			226
227	NORTHERN WASHINGTON						227
228	OLYMPIA-NORTHWEST WASHINGTON						228
229	PUGET SOUND						229
230	SOUTH CENTRAL WASHINGTON						230
231	ALLEGHENY						231
232	CENTRAL WEST VIRGINIA						232
233	EASTERN PANHANDLE						233
234	KANAWHA VALLEY	134.10	134.10	88.30			234
235	NORTH CENTRAL WEST VIRGINIA	365.00	365.00	.50			235
236	SOUTHERN WEST VIRGINIA						236
237	LAKE MICHIGAN	97.90	97.90	2.50			237
238	NORTH CENTRAL WISCONSIN	5.00	5.00				238
239	SOUTHEASTERN WISCONSIN	870.30	870.30				239
240	SOUTHERN WISCONSIN	36.00	36.00				240
241	CASPER	41.30	41.30	23.10			241
242	METROPOLITAN CHEYENNE						242
243	WYOMING		27.96				243
244	PUERTO RICO						244
245	AMERICAN SAMOA						245
246	GUAM						246
247	U. S. VIRGIN ISLANDS						247
	U.S. TOTALS	59,633.60	39,785.52	1,867.58	59.50		

TABLE 5-A

INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	INSTALLED COSTS ($1,000) MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	LINE NO
	NEW ENGLAND						
1	CONNECTICUT	280.00	6,045.79	2,384.00		1,667.86	1
2	MAINE	260.70		167.00		628.40	2
3	MASSACHUSETTS	335.40	6,768.60	344.00		4,610.26	3
4	NEW HAMPSHIRE		766.00	332.00		509.00	4
5	RHODE ISLAND	281.00	256.80			346.00	5
6	VERMONT	54.00				24.00	6
7	**TOTALS**	**1,211.10**	**13,837.19**	**3,247.00**		**7,785.52**	7
	MIDDLE ATLANTIC						
8	NEW JERSEY	485.50	5,881.80	3,733.70		6,454.00	8
9	NEW YORK	4,655.71	8,360.90	27,000.20		18,674.93	9
10	PENNSYLVANIA	1,310.15	20,616.16	26,448.40		13,264.77	10
11	**TOTALS**	**6,451.36**	**34,858.86**	**56,062.30**		**38,393.70**	11
	EAST NORTH CENTRAL						
12	ILLINOIS	2,221.40	31,010.88			13,387.42	12
13	INDIANA	1,180.00	18,667.20	4,523.00		10,983.46	13
14	MICHIGAN	3,832.20	21,757.80	15,374.20		9,085.90	14
15	OHIO	2,960.00	14,259.80	11,751.20		18,604.30	15
16	WISCONSIN	667.30	11,897.00			5,532.40	16
17	**TOTALS**	**10,860.90**	**97,592.68**	**31,649.00**		**57,593.48**	17
	WEST NORTH CENTRAL						
18	IOWA	1,679.70	1,055.00			2,105.30	18
19	KANSAS	535.91	492.00			1,594.29	19
20	MINNESOTA	674.20	4,640.00			4,283.98	20
21	MISSOURI	695.60	7,991.00	701.20	1,304.00	6,811.99	21
22	NEBRASKA	317.50	647.00	775.00		990.92	22
23	NORTH DAKOTA	356.10				372.90	23
24	SOUTH DAKOTA	36.00				284.00	24
25	**TOTALS**	**4,295.01**	**14,825.00**	**1,737.20**	**1,304.00**	**16,443.38**	25
	SOUTH ATLANTIC						
26	DELAWARE	253.00	200.00	338.00		771.00	26
27	DISTRICT OF COLUMBIA	322.00	116.00	2,201.00		523.00	27
28	FLORIDA	1,962.40	3,757.00			8,103.10	28
29	GEORGIA	161.40				1,280.20	29
30	MARYLAND	1,554.00	8,994.00	3,445.00		7,710.00	30
31	NORTH CAROLINA	1,739.40	6,554.00	308.00		2,869.72	31
32	SOUTH CAROLINA	805.16	1,796.75			1,497.24	32
33	VIRGINIA	1,444.00	7,130.00	3,870.00		2,557.00	33
34	WEST VIRGINIA	1,009.00	12,238.00	873.00		4,289.00	34
35	**TOTALS**	**9,250.36**	**40,785.75**	**11,098.00**		**29,597.31**	35
	EAST SOUTH CENTRAL						
36	ALABAMA	3,195.81	4,834.00			3,888.00	36
37	KENTUCKY	1,144.67	13,643.70	5,070.40		8,038.96	37
38	MISSISSIPPI		393.50			542.89	38
39	TENNESSEE	1,242.40	3,367.00	5,293.00		3,799.00	39
40	**TOTALS**	**5,582.88**	**22,238.20**	**10,363.40**		**16,268.85**	40
	WEST SOUTH CENTRAL						
41	ARKANSAS					799.50	41
42	LOUISIANA					1,561.20	42
43	OKLAHOMA					933.80	43
44	TEXAS					4,011.58	44
45	**TOTALS**					**7,306.08**	45
	MOUNTAIN						
46	ARIZONA	72.10				898.70	46
47	COLORADO	534.66	579.00	5,900.00		2,403.66	47
48	IDAHO						48
49	MONTANA	49.00	583.00			351.20	49
50	NEVADA	93.00				469.00	50
51	NEW MEXICO	359.40	4,172.00			530.75	51
52	UTAH	173.88		680.75		484.81	52
53	WYOMING	660.33				834.91	53
54	**TOTALS**	**1,942.37**	**5,334.00**	**6,580.81**		**5,973.03**	54
	PACIFIC						
55	CALIFORNIA	2,631.00				30,611.18	55
56	OREGON					50.30	56
57	WASHINGTON					430.00	57
58	**TOTALS**	**2,631.00**				**31,091.48**	58
	NON-CONTIGUOUS U.S.						59
59	ALASKA						60
60	HAWAII	54.25				738.29	61
61	PUERTO RICO						62
62	VIRGIN ISLANDS						63
63	**TOTALS**	**54.25**				**738.29**	
64	**U.S. TOTALS**	**42,279.23**	**229,471.68**	**120,737.71**	**1,304.00**	**211,191.12**	64

TABLE 5-B

INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY AIR QUALITY REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	INSTALLED COSTS ($1,000)					AQCR NO
		MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	
1	ALABAMA AND TOMBIGBEE RIVERS						1
2	COLUMBUS-PHENIX CITY						2
3	EAST ALABAMA		266.00			11.00	3
4	METROPOLITAN BIRMINGHAM	1,072.00	1,071.00			1,119.00	4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	1,357.01	2,982.50			1,718.39	5
6	SOUTHEAST ALABAMA						6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	872.80	2,481.00			1,827.00	7
8	COOK INLET						8
9	NORTHERN ALASKA						9
10	SOUTH CENTRAL ALASKA						10
11	SOUTHEASTERN ALASKA						11
12	ARIZONA-NEW MEX. SOUTHERN BORDER						12
13	CLARK-MOHAVE	93.00				348.00	13
14	FOUR CORNERS	431.50	4,172.00			513.40	14
15	PHOENIX-TUCSON					724.70	15
16	CENTRAL ARKANSAS					194.10	16
17	METROPOLITAN FORT SMITH						17
18	METROPOLITAN MEMPHIS						18
19	MONROE-EL DORADO					121.00	19
20	NORTHEAST ARKANSAS					517.20	20
21	NORTHWEST ARKANSAS					29.00	21
22	SHREVEPORT-TEXARKANA-TYLER					664.96	22
23	GREAT BASIN VALLEY						23
24	METROPOLITAN LOS ANGELES	2,631.00				4,441.78	24
25	NORTH CENTRAL COAST					8,060.00	25
26	NORTH COAST					498.00	26
27	NORTHEAST PLATEAU						27
28	SACRAMENTO VALLEY						28
29	SAN DIEGO					176.00	29
30	SAN FRANCISCO BAY AREA					12,578.00	30
31	SAN JOAQUIN VALLEY					684.00	31
32	SOUTH CENTRAL COAST					4,138.00	32
33	SOUTHEAST DESERT					65.40	33
34	COMANCHE						34
35	GRAND MESA	288.30		275.85		431.20	35
36	METROPOLITAN DENVER	161.16		5,357.93		1,405.36	36
37	PAWNEE						37
38	SAN ISABEL	85.20		260.50		352.10	38
39	SAN LUIS						39
40	YAMPA		579.00			215.00	40
41	EASTERN CONNECTICUT		539.00			361.00	41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	424.00	3,587.94	1,102.00		1,251.13	42
43	NEW JERSEY-NEW YORK-CONNECTICUT	3,646.12	9,267.07	32,510.80		18,946.91	43
44	NORTHWESTERN CONNECTICUT						44
45	METROPOLITAN PHILADELPHIA	1,499.50	1,514.20	7,596.10		3,227.60	45
46	SOUTHERN DELAWARE			935.00		225.00	46
47	NATIONAL CAPITAL	322.00	4,171.00	3,993.00		2,156.00	47
48	CENTRAL FLORIDA	366.10				2,430.90	48
49	JACKSONVILLE-BRUNSWICK					645.20	49
50	SOUTHEAST FLORIDA	1,490.30				2,071.20	50
51	SOUTHWEST FLORIDA					236.30	51
52	WEST CENTRAL FLORIDA		2,184.00			2,415.00	52
53	AUGUSTA-AIKEN	98.05	1,196.75			214.18	53
54	CENTRAL GEORGIA					1,083.00	54
55	CHATTANOOGA						55
56	METROPOLITAN ATLANTA						56
57	NORTHEAST GEORGIA						57
58	SAVANNAH-BEAUFORT	453.59				460.59	58
59	SOUTHWEST GEORGIA						59
60	HAWAII (ENTIRE STATE)	54.25				738.29	60
61	EASTERN IDAHO						61
62	EASTERN WASH.-NORTHERN IDAHO						62
63	IDAHO						63
64	METROPOLITAN BOISE						64
65	BURLINGTON-KEOKUK	38.00	1,557.88			2,624.12	65
66	EAST CENTRAL	224.60				282.90	66
67	METROPOLITAN CHICAGO	9.00	28,838.00			7,489.00	67
68	METROPOLITAN DUBUQUE	241.50				256.40	68
69	METROPOLITAN QUAD CITIES	168.90	365.00			515.00	69
70	METROPOLITAN ST. LOUIS	447.00	6,574.00		1,304.00	4,166.00	70
71	NORTH CENTRAL ILLINOIS	219.00	428.00			405.00	71
72	PADUCAH-CAIRO	1,526.45	6,698.00	4,824.40		3,689.11	72
73	ROCKFORD-JANESVILLE-BELOIT	232.00	179.00			566.00	73
74	SOUTHEAST ILLINOIS					178.10	74
75	WEST CENTRAL ILLINOIS	199.80	5,029.00			1,748.00	75
76	EAST CENTRAL INDIANA						76
77	EVANSVILLE-OWENSBORO-HENDERSON	162.00	2,025.70	967.10		1,639.10	77
78	LOUISVILLE		10,087.00			3,894.00	78
79	METROPOLITAN CINCINNATI	140.00	3,424.00	1,102.00		3,995.00	79
80	METROPOLITAN INDIANAPOLIS	613.60	662.20	415.50		786.46	80
81	NORTHEAST INDIANA						81
82	SOUTH BEND-ELKHART-BENTON HARBOR	153.40	726.00			236.00	82
83	SOUTHERN INDIANA			3,390.00		2,886.00	83
84	WABASH VALLEY	276.00	2,949.00			746.00	84

TABLE 5-B

(Contd)-INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY AIR QUALITY REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	INSTALLED COSTS ($1,000)					AQCR NO
		MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	
85	METROPOL. OMAHA-COUNCIL BLUFFS	335.50	647.00	776.00		1,097.80	85
86	METROPOLITAN SIOUX CITY					88.50	86
87	METROPOLITAN SIOUX FALLS	36.00				284.00	87
88	NORTHEAST IOWA	456.80	323.00			439.10	88
89	NORTH CENTRAL IOWA						89
90	NORTHWEST IOWA						90
91	SOUTHEAST IOWA						91
92	SOUTH CENTRAL IOWA	671.00				533.00	92
93	SOUTHWEST IOWA						93
94	METROPOLITAN KANSAS CITY	915.60	1,786.00	961.20		3,437.81	94
95	NORTHEAST KANSAS	170.00				318.00	95
96	NORTH CENTRAL KANSAS					31.30	96
97	NORTHWEST KANSAS					69.00	97
98	SOUTHEAST KANSAS	145.91				250.97	98
99	SOUTH CENTRAL KANSAS					347.40	99
100	SOUTHWEST KANSAS					75.00	100
101	APPALACHIAN	19.96				11.85	101
102	BLUEGRASS	323.26				470.90	102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON		1,641.00	2,875.00		5,892.00	103
104	NORTH CENTRAL KENTUCKY						104
105	SOUTH CENTRAL KENTUCKY	170.00				107.00	105
106	SOUTHERN LOUISIANA-SE TEXAS					1,958.50	106
107	ANDROSCOGGIN VALLEY	79.90		167.00		237.90	107
108	AROOSTOOK						108
109	DOWN EAST						109
110	METROPOLITAN PORTLAND	180.80				390.50	110
111	NORTHWEST MAINE						111
112	CENTRAL MARYLAND						112
113	CUMBERLAND-KEYSER	180.00	5,418.00	413.00		764.00	113
114	EASTERN SHORE	87.00				62.00	114
115	METROPOLITAN BALTIMORE	1,287.00	6,104.00	3,035.00		6,443.00	115
116	SOUTHERN MARYLAND						116
117	BERKSHIRE						117
118	CENTRAL MASSACHUSETTS	40.00				34.00	118
119	METROPOLITAN BOSTON		3,786.20			1,970.96	119
120	METROPOLITAN PROVIDENCE	432.40	2,605.20			1,901.30	120
121	MERRIMACK VALLEY-SOUTHERN N.H.		766.00	332.00		509.00	121
122	CENTRAL MICHIGAN	454.10	5,624.60			1,632.00	122
123	METROPOLITAN DETROIT-PORT HURON	2,923.00	14,711.00	25,374.20		6,023.50	123
124	METROPOLITAN TOLEDO	388.50	803.80	1,617.20		1,352.30	124
125	SOUTH CENTRAL MICHIGAN	119.60	1,422.20			936.40	125
126	UPPER MICHIGAN	119.30				175.00	126
127	CENTRAL MINNESOTA						127
128	SOUTHEAST MINNESOTA-LA CRUSSE	247.90	811.00			1,094.28	128
129	DULUTH-SUPERIOR	246.00				271.00	129
130	METROPOLITAN FARGO-MOORHEAD						130
131	MINNEAPOLIS-ST. PAUL	158.40	4,640.00			3,416.00	131
132	NORTHWEST MINNESOTA	142.70				133.70	132
133	SOUTHWEST MINNESOTA	52.00				169.00	133
134	MISSISSIPPI DELTA					60.00	134
135	NORTHEAST MISSISSIPPI						135
136	NORTHERN PIEDMONT	93.00				57.48	136
137	NORTHERN MISSOURI		702.00			749.00	137
138	SOUTHEAST MISSOURI						138
139	SOUTHWEST MISSOURI		1,285.00			638.80	139
140	BILLINGS		583.00			338.00	140
141	GREAT FALLS						141
142	HELENA						142
143	MILES CITY	49.00				43.20	143
144	MISSOULA						144
145	LINCOLN-BEATRICE-FAIRBURY	169.00				173.20	145
146	NEBRASKA					25.92	146
147	NEVADA						147
148	NORTHWEST NEVADA					121.00	148
149	NEW HAMPSHIRE						149
150	NEW JERSEY		901.30			347.60	150
151	NE PENN.-UPPER DELAWARE VALLEY		3,158.00	2,208.00		1,090.80	151
152	ALBUQUERQUE-MID RIO GRANDE					17.80	152
153	EL PASO-LAS CRUCES-ALAMOGORDO					153.00	153
154	NORTHEASTERN PLAINS						154
155	PECOS-PERMIAN BASIN					55.55	155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN						156
157	UPPER RIO GRANDE VALLEY						157
158	CENTRAL NEW YORK	341.30				222.90	158
159	CHAMPLAIN VALLEY	54.00				24.00	159
160	GENESEE-FINGER LAKES	98.99	1,649.13			753.21	160
161	HUDSON VALLEY	317.10	2,473.00			824.00	161
162	NIAGARA FRONTIER			1,417.00		1,730.10	162
163	SOUTHERN TIER EAST	106.90	330.54			148.17	163
164	SOUTHERN TIER WEST	257.30	777.31	852.90		2,178.67	164
165	EASTERN MOUNTAIN	444.00	1,445.00			764.94	165
166	EASTERN PIEDMONT	571.50				709.50	166
167	METROPOLITAN CHARLOTTE	178.00	5,109.00			756.60	167
168	NORTHERN COASTAL PLAIN						168

TABLE 5-B

(Contd)- INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY AIR QUALITY REGION, 1969

AQCR NO	AIR QUALITY CONTROL REGION	INSTALLED COSTS ($,000)					AQCR NO
		MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	
169	SANDHILLS	90.60				78.40	169
170	SOUTHERN COASTAL PLAIN	362.30				292.10	170
171	WESTERN MOUNTAIN			990.00		210.20	171
172	NORTH DAKOTA	356.10				372.90	172
173	DAYTON	444.00		1,334.00		451.00	173
174	GREATER METROPOLITAN CLEVELAND	188.00	4,178.00	2,334.00		2,312.00	174
175	MANSFIELD-MARION						175
176	METROPOLITAN COLUMBUS	180.00				184.00	176
177	NORTHWEST OHIO						177
178	NORTHWEST PENN.-YOUNGSTOWN	172.00	2,804.96	2,150.00		1,878.18	178
179	PARKERSBURG-MARIETTA	759.00	407.00	1,000.00		1,697.00	179
180	SANDUSKY						180
181	STEUBENVILLE-WEIRTON-WHEELING	738.00	6,200.00	724.00		6,703.00	181
182	WILMINGTON-CHILLICOTHE-LOGAN						182
183	ZANESVILLE-CAMBRIDGE	287.00				788.00	183
184	CENTRAL OKLAHOMA					627.70	184
185	NORTH CENTRAL OKLAHOMA					24.30	185
186	NORTHEASTERN OKLAHOMA					265.10	186
187	NORTHWESTERN OKLAHOMA						187
188	SOUTHEASTERN OKLAHOMA					16.70	188
189	SOUTHWESTERN OKLAHOMA						189
190	CENTRAL OREGON						190
191	EASTERN OREGON						191
192	NORTHWEST OREGON						192
193	PORTLAND					300.30	193
194	SOUTHWEST OREGON						194
195	CENTRAL PENNSYLVANIA	34.65		4,018.30		592.79	195
196	SOUTH CENTRAL PENNSYLVANIA		3,914.00	1,035.00		1,457.00	196
197	SOUTHWEST PENNSYLVANIA	402.50	10,980.20	5,750.10		7,012.50	197
198	CAMDEN-SUMTER						198
199	CHARLESTON	52.00	177.00			381.74	199
200	COLUMBIA	176.32				137.56	200
201	FLORENCE	89.60				105.60	201
202	GREENVILLE-SPARTANBURG	97.00				56.82	202
203	GREENWOOD						203
204	GEORGETOWN		423.00			338.00	204
205	BLACK HILLS-RAPID CITY						205
206	SOUTH DAKOTA						206
207	EASTERN TENN.-SOUTHWESTERN VA.	465.40	3,367.00	2,409.00		3,185.00	207
208	MIDDLE TENNESSEE	960.00		2,870.00		1,075.00	208
209	WESTERN TENNESSEE						209
210	ABILENE-WICHITA FALLS					134.06	210
211	AMARILLO-LUBBOCK					186.06	211
212	AUSTIN-WACO					189.12	212
213	BROWNSVILLE-LAREDO					345.90	213
214	CORPUS CHRISTI-VICTORIA					453.60	214
215	METROPOLITAN DALLAS-FORT WORTH					1,172.18	215
216	METROPOLITAN HOUSTON-GALVESTON						216
217	METROPOLITAN SAN ANTONIO					185.10	217
218	MIDLAND-ODESSA-SAN ANGELO					186.50	218
219	UTAH	173.88				119.89	219
220	WASATCH FRONT			880.75		364.92	220
221	VERMONT						221
222	CENTRAL VIRGINIA						222
223	HAMPTON ROADS	682.00	877.00	1,579.00		574.00	223
224	NORTHEASTERN VIRGINIA	356.00				166.30	224
225	STATE CAPITAL	16.00	4,414.00	428.00		829.00	225
226	VALLEY OF VIRGINIA	207.00				27.00	226
227	NORTHERN WASHINGTON						227
228	OLYMPIA-NORTHWEST WASHINGTON						228
229	PUGET SOUND					180.00	229
230	SOUTH CENTRAL WASHINGTON						230
231	ALLEGHENY						231
232	CENTRAL WEST VIRGINIA						232
233	EASTERN PANHANDLE						233
234	KANAWHA VALLEY		2,966.00			519.00	234
235	NORTH CENTRAL WEST VIRGINIA	889.00	4,121.00	673.00		1,759.00	235
236	SOUTHERN WEST VIRGINIA						236
237	LAKE MICHIGAN		2,657.00			795.00	237
238	NORTH CENTRAL WISCONSIN					64.00	238
239	SOUTHEASTERN WISCONSIN		8,429.00			3,037.00	239
240	SOUTHERN WISCONSIN	381.00				277.00	240
241	CASPER	344.00				391.00	241
242	METROPOLITAN CHEYENNE						242
243	WYOMING	316.33				443.51	243
244	PUERTO RICO						244
245	AMERICAN SAMOA						245
246	GUAM						246
247	U. S. VIRGIN ISLANDS						247
	U.S. TOTALS	**42,279.23**	**229,471.68**	**120,737.71**	**1,304.00**	**211,191.12**	

TABLE 6-A

NUMBER OF PLANTS, CAPACITIES, AND TYPES OF COOLING BY REGION AND STATE. 1969

LINE NO	GEOGRAPHIC REGION AND STATE	ONCE THROUGH FRESH		ONCE THROUGH SALINE		COOLING PONDS		COOLING TOWERS		COMBINED SYSTEMS		LINE NO
		NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	
	NEW ENGLAND											
1	CONNECTICUT	3	1,239.05	6	1,310.70					1	660.50	1
2	MAINE			2	361.00							2
3	MASSACHUSETTS	5	501.84	11	3,920.55					3	683.25	3
4	NEW HAMPSHIRE	1	459.24	1	178.75							4
5	RHODE ISLAND			3	348.63							5
6	VERMONT	1	30.00									6
7	**TOTALS**	**10**	**2,230.13**	**23**	**6,119.63**					**4**	**1,343.75**	**7**
	MIDDLE ATLANTIC											
8	NEW JERSEY	3	1,270.10	13	5,276.50							8
9	NEW YORK	12	3,938.46	18	10,941.82							9
10	PENNSYLVANIA	30	9,678.59	1	476.75			2	3,192.00	3	704.00	10
11	**TOTALS**	**45**	**14,887.15**	**32**	**16,695.07**			**2**	**3,192.00**	**3**	**704.00**	**11**
	EAST NORTH CENTRAL											
12	ILLINOIS	30	12,510.77			6	1,707.96	2	212.30			12
13	INDIANA	16	8,526.32							3	824.98	13
14	MICHIGAN	22	8,998.70							1	301.00	14
15	OHIO	27	12,872.42			4	30.50	2	270.00	1	1,638.00	15
16	WISCONSIN	17	4,691.75									16
17	**TOTALS**	**112**	**47,899.96**			**3**	**1,738.46**	**4**	**482.30**	**5**	**2,763.98**	**17**
	WEST NORTH CENTRAL											
18	IOWA	11	1,511.26			4	92.20	3	261.60	1	325.00	18
19	KANSAS	5	532.63					7	1,606.25	3	639.10	19
20	MINNESOTA	10	1,622.40							3	1,221.96	20
21	MISSOURI	10	3,924.84			6	1,033.10	2	164.50	2	258.50	21
22	NEBRASKA	4	973.90					2	256.65			22
23	NORTH DAKOTA	3	512.00									23
24	SOUTH DAKOTA							2	123.00			24
25	**TOTALS**	**43**	**9,077.03**			**3**	**1,125.30**	**16**	**2,414.20**	**9**	**2,484.56**	**25**
	SOUTH ATLANTIC											
26	DELAWARE	1	389.80	2	293.20							26
27	DISTRICT OF COLUMBIA	1	270.00							1	554.00	27
28	FLORIDA	13	2,299.05	17	8,821.08			1	43.50			28
29	GEORGIA	7	3,930.00	3	469.50							29
30	MARYLAND	3	776.50	7	2,551.50							30
31	NORTH CAROLINA	7	4,301.00			6	1,274.49			3	988.93	31
32	SOUTH CAROLINA	4	889.00	1	100.00	1	206.64			4	1,027.80	32
33	VIRGINIA	7	3,312.82	3	1,124.64			1	669.00			33
34	WEST VIRGINIA	8	3,440.00					1	1,152.00	1	1,140.48	34
35	**TOTALS**	**51**	**19,608.17**	**33**	**13,358.92**	**3**	**1,481.13**	**3**	**1,864.50**	**9**	**3,711.21**	**35**
	EAST SOUTH CENTRAL											
36	ALABAMA	10	6,957.51									36
37	KENTUCKY	11	4,363.00					3	1,296.10	2	2,752.20	37
38	MISSISSIPPI	2	622.23	1	595.50			2	161.00	2	603.70	38
39	TENNESSEE	7	7,443.65									39
40	**TOTALS**	**30**	**19,383.39**	**1**	**595.50**			**5**	**1,457.10**	**4**	**3,355.90**	**40**
	WEST SOUTH CENTRAL											
41	ARKANSAS	4	1,287.84					3	585.00			41
42	LOUISIANA	7	3,289.66	2	1,177.50	6	447.20	6	1,318.37	1	483.28	42
43	OKLAHOMA	2	235.90					9	2,105.80	3	1,027.48	43
44	TEXAS	6	1,469.50	3	1,531.35	60	7,708.21	28	5,454.88	10	5,735.12	44
45	**TOTALS**	**19**	**6,282.90**	**5**	**2,708.85**	**22**	**8,155.41**	**46**	**9,164.05**	**14**	**7,245.88**	**45**
	MOUNTAIN											
46	ARIZONA					4	115.00	6	1,494.40	1	108.00	46
47	COLORADO					4	281.75	4	1,277.50	6	443.25	47
48	IDAHO											48
49	MONTANA	3	291.80									49
50	NEVADA					4	110.00	3	508.90	1	133.00	50
51	NEW MEXICO					1	1,330.00	6	859.60	1	44.30	51
52	UTAH	2	84.00					2	440.24			52
53	WYOMING	1	456.70					1	380.80			53
54	**TOTALS**	**6**	**832.50**			**4**	**1,836.75**	**22**	**4,961.44**	**9**	**728.55**	**54**
	PACIFIC											
55	CALIFORNIA	1	1,277.80	21	15,437.05			14	3,008.31			55
56	OREGON	3	141.60									56
57	WASHINGTON	4	1,010.80	1	59.00							57
58	**TOTALS**	**8**	**2,430.20**	**22**	**15,496.05**			**14**	**3,008.31**			**58**
	NON-CONTIGUOUS U.S.											
59	ALASKA											59
60	HAWAII			4	764.35							60
61	PUERTO RICO			3	1,338.00							61
62	VIRGIN ISLANDS											62
63	**TOTALS**			**7**	**2,102.35**							**63**
64	U.S. TOTALS	324	122,631.43	123	57,076.37	35	14,337.05	112	26,543.90	57	22,337.83	64

TABLE 6-B

NUMBER OF PLANTS, CAPACITIES, AND TYPES OF COOLING BY WATER RESOURCE REGION, 1969

LINE NO	WATER RESOURCE REGION	ONCE THROUGH FRESH		ONCE THROUGH SALINE		COOLING PONDS		COOLING TOWERS		COMBINED SYSTEMS		LINE NO
		NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	NO. OF PLANTS	CAPACITY MW	
1	NEW ENGLAND	10	2,230.13	26	7,738.31					4	1,343.75	1
2	MIDDLE ATLANTIC	37	12,963.84	41	19,046.03					5	2,398.48	2
3	SOUTH ATLANTIC - GULF	38	15,079.63	22	9,985.08	2	1,274.49	2	136.50	7	2,016.73	3
4	GREAT LAKES	58	24,273.10			1	30.50	1	38.00	1	301.00	4
5	OHIO	64	29,597.02					9	6,084.40	6	5,215.18	5
6	TENNESSEE	9	8,572.96			1	206.64	1	669.00			6
7	UPPER MISSISSIPPI	51	14,590.43			3	1,803.16	3	261.80	3	1,410.36	7
8	LOWER MISSISSIPPI	11	5,932.26	2	1,177.50			7	1,124.87	3	1,086.98	8
9	SOURIS - RED - RAINY	1	116.10							1	136.90	9
10	MISSOURI	24	4,721.47			3	1,314.85	9	1,808.10	3	811.85	10
11	ARKANSAS - WHITE - RED	5	570.74			7	1,613.19	24	5,182.20	8	1,630.73	11
12	TEXAS - GULF	6	1,469.50	3	1,531.35	15	6,542.22	17	3,486.63	10	5,735.12	12
13	RIO GRANDE							12	1,754.55	1	44.30	13
14	UPPER COLORADO					1	1,330.00	2	351.80	2	109.50	14
15	LOWER COLORADO					1	115.00	9	2,303.30	1	108.00	15
16	GREAT BASIN	2	84.00			1	110.00	2	632.44	1	133.00	16
17	COLUMBIA - NORTH PACIFIC	7	1,152.40	1	59.00							17
18	CALIFORNIA - SOUTH PACIFIC	1	1,277.80	21	15,437.05			14	3,008.31	1	56.25	18
19	**TOTALS - CONTIGUOUS U.S.**	**324**	**122,631.43**	**116**	**54,974.02**	**35**	**14,337.05**	**112**	**26,543.90**	**57**	**22,337.83**	**19**
20	ALASKA											20
21	HAWAII			4	764.35							21
22	PUERTO RICO			3	1,338.00							22
23	**TOTALS - NON-CONTIGUOUS U.S.**			**7**	**2,102.35**							**23**
24	**TOTALS - UNITED STATES**	**324**	**122,631.43**	**123**	**57,076.37**	**35**	**14,337.05**	**112**	**26,543.90**	**57**	**22,337.83**	**24**

TABLE 7-A

AVERAGE COOLING WATER USE, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	TOTAL DESIGNED CONDENSER FLOW, CFS		AVERAGE RATE OF WATER USE DURING THE YEAR, CFS						LINE NO
				WITHDRAWAL		CONSUMPTION		DISCHARGE		
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	
	NEW ENGLAND									
1	CONNECTICUT	1,778.00	3,279.15	1,628.50	2,621.34			1,628.50	2,621.34	1
2	MAINE		513.70		308.70		.20		308.50	2
3	MASSACHUSETTS	1,578.90	5,336.79	1,540.60	4,144.10	.40		1,540.20	4,144.10	3
4	NEW HAMPSHIRE	416.00	245.30	444.30	252.40			444.30	252.40	4
5	RHODE ISLAND		854.00		693.30				721.70	5
6	VERMONT	68.10		36.73		.74		36.32		6
7	**TOTALS**	**3,841.00**	**10,228.64**	**3,649.88**	**7,980.09**	**1.14**	**.20**	**3,648.72**	**8,008.04**	**7**
	MIDDLE ATLANTIC									
8	NEW JERSEY	1,985.60	8,730.68	2,041.00	8,206.00			2,041.00	8,206.00	8
9	NEW YORK	6,044.90	19,472.38	5,032.41	12,034.00	1.74		5,030.67	12,034.00	9
10	PENNSYLVANIA	14,838.70	872.00	12,976.79	752.00	43.29		12,926.76	752.00	10
11	**TOTALS**	**22,869.20**	**29,075.26**	**20,050.20**	**20,992.00**	**51.03**		**19,998.43**	**20,992.00**	**11**
	EAST NORTH CENTRAL									
12	ILLINOIS	23,544.05		12,349.80		31.90		12,317.95		12
13	INDIANA	15,389.47		11,196.80		3.61		11,193.00		13
14	MICHIGAN	16,280.10		11,042.71		41.42		11,001.11		14
15	OHIO	22,673.28		16,821.54		24.84		16,795.73		15
16	WISCONSIN	8,594.90		5,748.90		1.00		5,747.90		16
17	**TOTALS**	**86,181.80**		**57,159.55**		**102.77**		**57,055.69**		**17**
	WEST NORTH CENTRAL									
18	IOWA	3,314.10		1,784.83		19.43		1,765.39		18
19	KANSAS	4,517.50		601.24		82.10		519.14		19
20	MINNESOTA	4,210.30		2,589.83		3.24		2,586.68		20
21	MISSOURI	5,312.17		3,687.90		53.00		3,634.90		21
22	NEBRASKA	1,932.70		792.94		2.17		790.77		22
23	NORTH DAKOTA	481.34		438.54		.37		438.22		23
24	SOUTH DAKOTA	233.40		1.97		1.37		.60		24
25	**TOTALS**	**20,001.51**		**9,897.30**		**161.68**		**9,735.70**		**25**
	SOUTH ATLANTIC									
26	DELAWARE	584.00	489.00	630.00	485.00			630.00	485.00	26
27	DISTRICT OF COLUMBIA	2,024.00		1,340.00				1,340.00		27
28	FLORIDA	4,332.30	13,633.35	3,025.80	11,111.50			3,025.80	11,111.50	28
29	GEORGIA	4,358.00	912.08	4,656.00	623.80	37.70		4,618.30	623.80	29
30	MARYLAND	1,053.50	4,169.00	978.00	3,802.00	.10		977.90	3,802.00	30
31	NORTH CAROLINA	8,298.10		7,468.50				7,468.50		31
32	SOUTH CAROLINA	2,546.57	201.32	2,261.23	210.67	6.40		2,254.83	210.67	32
33	VIRGINIA	4,803.96	1,342.10	3,977.10	1,342.10	9.66		3,967.44	1,342.10	33
34	WEST VIRGINIA	6,808.60		6,751.00		19.63		6,731.37		34
35	**TOTALS**	**34,809.03**	**20,746.85**	**31,087.63**	**17,575.07**	**73.49**		**31,014.14**	**17,575.07**	**35**
	EAST SOUTH CENTRAL									
36	ALABAMA	9,178.60		7,494.00		35.31		7,458.69		36
37	KENTUCKY	9,388.01		8,619.31		1,451.10		7,167.21		37
38	MISSISSIPPI	1,016.70	683.00	670.35	752.00	7.35		663.00	752.00	38
39	TENNESSEE	9,058.90		7,656.00		59.00		7,597.00		39
40	**TOTALS**	**29,242.21**	**683.00**	**24,439.66**	**752.00**	**1,552.76**		**22,885.90**	**752.00**	**40**
	WEST SOUTH CENTRAL									
41	ARKANSAS	2,095.35		1,000.64		6.01		994.68		41
42	LOUISIANA	6,598.46	1,492.40	3,900.60	1,142.00	101.48		3,799.18	1,142.00	42
43	OKLAHOMA	4,845.82		224.55		31.05		193.49		43
44	TEXAS	28,504.13	2,781.80	10,910.51	1,792.60	158.31	8.30	10,743.39	1,734.30	44
45	**TOTALS**	**42,043.76**	**4,274.20**	**16,036.35**	**2,884.60**	**296.55**	**8.30**	**15,730.74**	**2,876.30**	**45**
	MOUNTAIN									
46	ARIZONA	1,773.00		131.84		30.59		100.45		46
47	COLORADO	2,912.30		550.34		20.94		529.40		47
48	IDAHO									48
49	MONTANA	239.70		185.00		.10		184.90		49
50	NEVADA	927.70		92.53		9.16		83.37		50
51	NEW MEXICO	3,090.20		124.45		36.86		88.03		51
52	UTAH	1,334.80		128.00		7.00		121.00		52
53	WYOMING	614.00		325.00		10.80		317.80		53
54	**TOTALS**	**10,891.70**		**1,537.21**		**115.45**		**1,424.95**		**54**
	PACIFIC									
55	CALIFORNIA	5,367.80	16,907.10	1,639.66	15,112.18	21.20	.27	1,620.81	15,111.91	55
56	OREGON	424.20		93.60				93.60		56
57	WASHINGTON	2,468.20	131.00	1,196.00	.50			1,196.00	.50	57
58	**TOTALS**	**8,260.20**	**17,038.10**	**2,929.26**	**15,112.68**	**21.20**	**.27**	**2,910.41**	**15,112.41**	**58**
	NON-CONTIGUOUS U.S.									
59	ALASKA									59
60	HAWAII		1,707.00		854.10				854.10	60
61	PUERTO RICO		2,321.50		2,246.18				2,246.18	61
62	VIRGIN ISLANDS									62
63	**TOTALS**		**4,028.50**		**3,100.28**				**3,100.28**	**63**
64	**U.S. TOTALS**	**258,140.41**	**86,074.55**	**166,787.04**	**68,396.72**	**2,376.07**	**8.77**	**164,404.68**	**68,416.10**	**64**

TABLE 7-B

AVERAGE COOLING WATER USE, BY WATER RESOURCE REGION, 1969

LINE NO	WATER RESOURCE REGION	TOTAL DESIGNED CONDENSER FLOW, CFS		AVERAGE RATE OF WATER USE DURING THE YEAR, CFS						LINE NO
				WITHDRAWAL		CONSUMPTION		DISCHARGE		
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	
1	NEW ENGLAND	3,841.00	12,110.02	3,649.88	9,807.98	1.14	.20	3,648.72	9,635.04	1
2	MIDDLE ATLANTIC	21,093.96	33,193.98	18,780.35	24,994.10	18.81		18,760.80	24,994.10	2
3	SOUTH ATLANTIC - GULF	24,472.37	15,429.75	21,193.53	12,697.97	44.41		21,149.12	12,697.97	3
4	GREAT LAKES	45,035.80		30,206.41		43.14		30,162.12		4
5	OHIO	49,613.60		41,965.70		1,550.34		40,414.72		5
6	TENNESSEE	12,188.10		9,680.10		85.50		9,594.60		6
7	UPPER MISSISSIPPI	27,704.71		14,752.37		37.43		14,714.93		7
8	LOWER MISSISSIPPI	8,858.16	1,492.40	5,676.36	1,142.00	111.40		5,565.01	1,142.00	8
9	SOURIS - RED - RAINY	365.80		300.54		.04		300.54		9
10	MISSOURI	10,063.82		5,061.21		146.06		4,918.80		10
11	ARKANSAS - WHITE - RED	13,039.70		1,463.79		75.83		1,388.18		11
12	TEXAS - GULF	24,514.33	2,781.80	10,503.07	1,742.80	133.24	8.30	10,361.89	1,734.30	12
13	RIO GRANDE	2,773.60		116.35		22.95		92.45		13
14	UPPER COLORADO	2,129.10		150.10		32.50		117.60		14
15	LOWER COLORADO	2,471.10		139.82		37.55		101.42		15
16	GREAT BASIN	1,639.40		216.60		14.20		202.40		16
17	COLUMBIA - NORTH PACIFIC	2,892.40	131.00	1,289.60	.50			1,289.60	.50	17
18	CALIFORNIA - SOUTH PACIFIC	5,443.46	16,907.10	1,641.26	15,112.18	21.83	.27	1,621.78	15,111.91	18
19	**TOTALS - CONTIGUOUS U.S.**	**258,140.41**	**82,046.05**	**166,787.04**	**65,296.44**	**2,376.07**	**8.77**	**164,404.68**	**65,315.82**	**19**
20	ALASKA									20
21	HAWAII		1,707.00		854.10				854.10	21
22	PUERTO RICO		2,321.50		2,246.18				2,246.18	22
23	**TOTALS - NON-CONTIGUOUS U.S.**		**4,028.50**		**3,100.28**				**3,100.28**	**23**
24	**TOTALS - UNITED STATES**	**258,140.41**	**86,074.55**	**166,787.04**	**68,396.72**	**2,376.07**	**8.77**	**164,404.68**	**68,416.10**	**24**

TABLE 8-A

USE OF CHEMICAL ADDITIVES, BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	COOLING WATER ADDITIVES (TONS)				BOILER WATER ADDITIVES (TONS)					LINE NO
		PHOSPHATE	LIME	ALUM	CHLORINE	PHOSPHATE	CAUSTIC SODA	LIME	ALUM	CHLORINE	
	NEW ENGLAND										
1	CONNECTICUT				230.06	23.60	192.15				1
2	MAINE					3.05	6.60				2
3	MASSACHUSETTS	2.33		3.20	658.42	69.58	353.57	2.75	22.15	142.57	3
4	NEW HAMPSHIRE				20.46	.74	.35				4
5	RHODE ISLAND				15.18	34.69	10.62				5
6	VERMONT					.10	3.80				6
7	**TOTALS**	**2.33**		**3.20**	**929.92**	**116.76**	**566.49**	**2.75**	**22.15**	**142.57**	**7**
	MIDDLE ATLANTIC										
8	NEW JERSEY				4,050.60	29.62	2,881.28	14.16	282.95	.15	8
9	NEW YORK				2,279.23	222.53	2,214.77	221.51	23.46		9
10	PENNSYLVANIA	1.89	1,924.80	253.08	1,733.71	45.74	3,839.20	59.00	226.34	25.72	10
11	**TOTALS**	**1.89**	**1,924.80**	**253.08**	**8,063.56**	**297.89**	**8,935.25**	**294.67**	**532.75**	**25.87**	**11**
	EAST NORTH CENTRAL										
12	ILLINOIS	.06	378.50	137.85	2,935.82	46.91	2,304.86	711.89	45.71	3.99	12
13	INDIANA				1,316.81	28.57	351.80	1,200.81	92.42	16.30	13
14	MICHIGAN				1,365.77	29.46	747.83	439.24	149.78	27.13	14
15	OHIO	21.90	1,223.50	202.75	1,548.70	27.83	2,221.86	352.42	39.52	5.30	15
16	WISCONSIN	.08		.01	430.16	27.09	1,249.05	15.15	5.45	.02	16
17	**TOTALS**	**22.04**	**1,602.00**	**340.61**	**7,297.06**	**159.86**	**6,875.40**	**2,719.51**	**332.88**	**52.74**	**17**
	WEST NORTH CENTRAL										
18	IOWA		190.00	33.50	244.80	9.48	253.27	153.75	64.82	2.85	18
19	KANSAS	149.15	1,507.12	75.00	172.74	5.71	452.88	34.73	.95		19
20	MINNESOTA	.81			222.82	24.76	71.47	13.43	10.97	.10	20
21	MISSOURI	22.26	221.00	71.00	282.45	71.54	1,458.95	966.09			21
22	NEBRASKA	3.60	1,206.80	58.50	17.00	22.05	64.01	136.10	28.70	16.00	22
23	NORTH DAKOTA					1.80	1.69	78.88	7.30	.55	23
24	SOUTH DAKOTA	2.80	337.00	28.90	7.36	.46	4.00				24
25	**TOTALS**	**178.62**	**3,461.92**	**266.90**	**944.11**	**115.80**	**2,306.87**	**1,382.98**	**112.74**	**19.50**	**25**
	SOUTH ATLANTIC										
26	DELAWARE				88.00	2.83	594.04	33.20		14.10	26
27	DISTRICT OF COLUMBIA				15.30	21.00	14.40	9.10	19.18	104.00	27
28	FLORIDA				822.63	19.39	1,845.93	867.58	27.81	99.10	28
29	GEORGIA				294.00	1.78	268.32	7.11	107.91	70.00	29
30	MARYLAND				454.06	3.38	477.88	42.00	301.50	127.25	30
31	NORTH CAROLINA				149.00	13.12	.31		70.50	6.33	31
32	SOUTH CAROLINA				82.00	2.51	473.32	.49	111.36		32
33	VIRGINIA			7.25	418.96	5.69	483.75	8.54	90.90	.77	33
34	WEST VIRGINIA				93.00	4.07	634.52	58.38	14.87	5.10	34
35	**TOTALS**			**7.25**	**2,420.15**	**73.77**	**4,792.67**	**1,026.40**	**744.03**	**426.65**	**35**
	EAST SOUTH CENTRAL										
36	ALABAMA					3.72	178.03		149.41	8.99	36
37	KENTUCKY		22.25	86.00	480.11	11.69	291.01	43.08	74.25	1.65	37
38	MISSISSIPPI	1.79	315.50	78.50	10.00	2.88	143.45	5.00			38
39	TENNESSEE				156.00	6.70	78.90		80.23	2.19	39
40	**TOTALS**	**1.79**	**337.75**	**164.50**	**656.17**	**26.99**	**691.39**	**48.08**	**303.89**	**12.83**	**40**
	WEST SOUTH CENTRAL										
41	ARKANSAS		613.18	119.95	74.00	2.46	63.96				41
42	LOUISIANA	4.25		14.00	470.33	12.09	1,486.18	1,400.00			42
43	OKLAHOMA	93.52	296.31	31.75	107.41	11.29	194.93	16.95	39.39	.14	43
44	TEXAS	113.20	2,037.80	99.78	1,644.07	49.21	3,349.08	179.40	3.12	61.06	44
45	**TOTALS**	**210.97**	**2,949.29**	**265.48**	**2,302.31**	**75.05**	**5,094.15**	**1,596.35**	**42.51**	**61.20**	**45**
	MOUNTAIN										
46	ARIZONA	53.04			72.27	.93	113.48	22.93			46
47	COLORADO	52.26	3.06	6.56	139.34	9.60	13.72	68.59	2.79		47
48	IDAHO										48
49	MONTANA					.24	.12	12.00	1.55	.46	49
50	NEVADA	26.75	1,055.00		252.00	1.35	69.61				50
51	NEW MEXICO	26.91			27.74	5.54	359.15	41.46	6.20		51
52	UTAH	35.75			40.00	4.36	.67				52
53	WYOMING	7.54			20.00	.16	.16	19.75			53
54	**TOTALS**	**202.25**	**1,058.06**	**6.56**	**555.01**	**22.18**	**556.91**	**164.73**	**10.54**	**.46**	**54**
	PACIFIC										
55	CALIFORNIA	67.85			1,698.11	30.89	258.30	356.64		84.60	55
56	OREGON					2.65	7.05				56
57	WASHINGTON					2.80	1.84				57
58	**TOTALS**	**67.85**			**1,698.11**	**36.34**	**267.19**	**356.64**		**84.60**	**58**
	NON-CONTIGUOUS U.S.										
59	ALASKA										59
60	HAWAII					1.54	.66				60
61	PUERTO RICO				.29	4.33	2.31				61
62	VIRGIN ISLANDS										62
63	**TOTALS**				**.29**	**5.87**	**2.97**				**63**
64	**U.S. TOTALS**	**687.74**	**11,333.82**	**1,307.58**	**24,866.69**	**930.51**	**30,089.29**	**7,592.11**	**2,101.49**	**826.42**	**64**

TABLE 8-B

USE OF CHEMICAL ADDITIVES, BY WATER RESOURCE REGION, 1969

LINE NO	WATER RESOURCE REGION	COOLING WATER ADDITIVES (TONS)				BOILER WATER ADDITIVES (TONS)					LINE NO
		PHOSPHATE	LIME	ALUM	CHLORINE	PHOSPHATE	CAUSTIC SODA	LIME	ALUM	CHLORINE	
1	NEW ENGLAND	2.33		3.20	964.92	123.78	722.30	2.75	22.15	142.57	1
2	MIDDLE ATLANTIC	.89	3.23	61.25	8,549.57	290.96	8,007.66	98.46	847.63	261.84	2
3	SOUTH ATLANTIC - GULF				1,357.63	59.95	2,680.58	880.18	432.14	182.04	3
4	GREAT LAKES			1.50	2,972.22	93.03	2,812.25	854.26	244.76	27.13	4
5	OHIO	22.90	3,545.82	564.98	2,841.84	79.73	5,360.18	1,543.82	273.88	38.65	5
6	TENNESSEE				177.00	10.83	144.58		93.63	4.42	6
7	UPPER MISSISSIPPI	.14	190.00	92.71	3,140.37	106.56	3,161.36	1,310.51	83.68	6.96	7
8	LOWER MISSISSIPPI	6.04	329.23	212.45	540.04	15.70	1,653.55	1,400.00			8
9	SOURIS - RED - RAINY	.81			5.22	1.02	30.19		8.19		9
10	MISSOURI	92.46	2,918.67	222.12	333.95	42.94	856.11	835.21	43.48	17.01	10
11	ARKANSAS - WHITE - RED	218.19	2,417.57	124.55	325.51	12.41	758.83	39.05	1.11	.13	11
12	TEXAS - GULF	82.55	192.00	1.33	1,493.20	41.87	2,964.67	172.47	3.12	61.06	12
13	RIO GRANDE	57.41	674.21	2.20	70.96	8.45	272.70	7.33			13
14	UPPER COLORADO	31.34	3.06	6.56	13.00	2.18	210.05	35.44	8.99		14
15	LOWER COLORADO	79.79	1,055.00		324.27	2.28	114.12	22.93		.60	15
16	GREAT BASIN	25.04			47.00	3.16	69.93	19.75			16
17	COLUMBIA - NORTH PACIFIC					3.45	8.89				17
18	CALIFORNIA - SOUTH PACIFIC	67.85	5.33	14.73	1,698.11	38.34	258.37	389.95	38.73	84.01	18
19	**TOTALS - CONTIGUOUS U.S.**	**687.74**	**11,333.82**	**1,307.58**	**24,866.40**	**924.64**	**30,086.32**	**7,592.11**	**2,101.49**	**826.42**	**19**
20	ALASKA										20
21	HAWAII					1.54	.66				21
22	PUERTO RICO				.29	4.33	2.31				22
23	**TOTALS - NON-CONTIGUOUS U.S.**				**.29**	**5.87**	**2.97**				**23**
24	**TOTALS - UNITED STATES**	**687.74**	**11,333.82**	**1,307.58**	**24,866.69**	**930.51**	**30,089.29**	**7,592.11**	**2,101.49**	**826.42**	**24**

TABLE 9-A

WATER TREATMENT EXPENSES AND COOLING FACILITY COSTS BY REGION AND STATE, 1969

LINE NO	GEOGRAPHIC REGION AND STATE	COSTS OF INSTALLED FACILITIES - $1,000				ANNUAL EXPENSES - $1,000				LINE NO
		COOLING WATER				COOLING WATER		BOILER WATER MAKEUP & BLOWDOWN TREATMENT		
		ONCE THROUGH FRESH	ONCE THROUGH SALINE	COOLING PONDS	COOLING TOWERS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	
	NEW ENGLAND									
1	CONNECTICUT		5,394.33		[illegible]	503.24	99.63	386.96	95.35	1
2	MAINE		2,773.70				8.30		18.20	2
3	MASSACHUSETTS	2,685.55	12,967.95		477.42	508.02	181.94	506.70	936.50	3
4	NEW HAMPSHIRE	1,924.00	1,889.00			97.00	13.80	78.70	13.00	4
5	RHODE ISLAND		3,161.00			14.80	8.40	13.00	18.84	5
6	VERMONT	141.00				4.50				6
7	**TOTALS**	**4,750.55**	**26,185.98**		**577.42**	**1,127.56**	**312.07**	**985.36**	**1,081.69**	7
	MIDDLE ATLANTIC									
8	NEW JERSEY	4,632.40	22,382.10			623.80	284.06	1,077.24	426.40	8
9	NEW YORK	19,520.90	46,755.31			2,098.30	366.45	2,488.57	334.62	9
10	PENNSYLVANIA	31,203.77		42.80	18,027.20	3,816.37	904.71	4,771.62	874.97	10
11	**TOTALS**	**55,357.07**	**69,137.41**	**42.80**	**18,027.20**	**6,538.47**	**1,555.82**	**8,337.43**	**1,635.99**	11
	EAST NORTH CENTRAL									
12	ILLINOIS	71,645.60		5,639.00	[illegible]	1,641.09	495.90	1,954.26	641.05	12
13	INDIANA	30,279.80			[illegible]	743.90	123.32	1,374.80	266.71	13
14	MICHIGAN	12,513.00		1,100.00	[illegible]	1,107.53	122.44	4,267.95	219.65	14
15	OHIO	46,530.00			[illegible]	1,490.38	221.37	1,474.07	492.10	15
16	WISCONSIN	14,165.50				673.50	98.36	286.20	194.26	16
17	**TOTALS**	**175,133.90**		**6,709.00**	**12,844.60**	**5,706.40**	**1,049.39**	**9,057.28**	**1,813.77**	17
	WEST NORTH CENTRAL									
18	IOWA	8,666.00		314.00	[illegible]	247.30	93.90	325.40	154.60	18
19	KANSAS	4,516.24		812.00	[illegible]	521.10	273.28	255.64	59.50	19
20	MINNESOTA	11,931.00		282.00	[illegible]	326.15	44.89	105.89	39.62	20
21	MISSOURI	21,001.80		3,462.00	[illegible]	291.14	42.48	740.95	211.39	21
22	NEBRASKA	6,618.40			[illegible]	95.34	107.02	90.10	81.50	22
23	NORTH DAKOTA	2,278.80				23.28		82.63	35.15	23
24	SOUTH DAKOTA	2,337.00			[illegible]	101.30	32.50	28.50	1.32	24
25	**TOTALS**	**57,349.24**		**4,890.00**	**24,101.99**	**1,605.61**	**594.07**	**1,629.11**	**583.08**	25
	SOUTH ATLANTIC									
26	DELAWARE	2,533.00	135.00			96.80	11.10	75.90	18.50	26
27	DISTRICT OF COLUMBIA	1,677.00			[illegible]	81.70		64.60		27
28	FLORIDA	9,806.70	39,353.50		[illegible]	508.03	138.05	743.98	292.52	28
29	GEORGIA	811.50	1,555.30			8.20	34.20	79.80	15.10	29
30	MARYLAND	3,413.00	18,118.00			299.70	43.31	138.80	36.40	30
31	NORTH CAROLINA	15,682.40		8,802.80	[illegible]	354.00	29.10	58.50	34.70	31
32	SOUTH CAROLINA	4,197.62	37.00	6,731.25	[illegible]	80.61	18.43	66.37	79.09	32
33	VIRGINIA	13,182.00	6,616.00		[illegible]	314.70	61.37	352.70	71.80	33
34	WEST VIRGINIA	2,645.00		6,523.00	[illegible]	516.38	32.08	230.90	129.09	34
35	**TOTALS**	**53,948.22**	**65,814.80**	**22,057.05**	**13,831.50**	**2,260.12**	**365.14**	**1,811.75**	**677.20**	35
	EAST SOUTH CENTRAL									
36	ALABAMA	21,986.00				206.00		412.60	146.77	36
37	KENTUCKY	36,106.44			[illegible]	479.30	80.79	381.57	158.78	37
38	MISSISSIPPI	3,428.00	1,090.70	3,027.50	[illegible]	167.20	18.80	14.10	25.00	38
39	TENNESSEE	19,385.00				185.00	18.00	245.00	85.00	39
40	**TOTALS**	**80,905.44**	**1,090.70**	**3,027.50**	**8,995.50**	**1,097.50**	**117.59**	**1,053.27**	**415.55**	40
	WEST SOUTH CENTRAL									
41	ARKANSAS	8,014.50			[illegible]	70.60	66.22	47.32	30.59	41
42	LOUISIANA	18,443.90	5,325.30	1,411.50	[illegible]	187.00	120.60	116.90	81.50	42
43	OKLAHOMA	1,377.20		[illegible]	[illegible]	116.10	254.64	16.10	46.40	43
44	TEXAS	1,995.60	2,046.00	[illegible]	[illegible]	1,303.55	619.05	535.09	456.06	44
45	**TOTALS**	**29,531.20**	**7,371.30**	**29,051.78**	**47,922.00**	**1,677.31**	**1,060.51**	**715.41**	**614.55**	45
	MOUNTAIN									
46	ARIZONA	356.92		730.00	[illegible]	250.30	87.64	78.12	340.19	46
47	COLORADO	1,344.00		1,428.00	[illegible]	693.25	115.22	111.23	29.63	47
48	IDAHO									48
49	MONTANA	1,502.70				22.20		23.20	3.80	49
50	NEVADA	118.10		612.00	[illegible]		1.10		8.00	50
51	NEW MEXICO			11,280.00	[illegible]	191.70	48.93	48.60	91.50	51
52	UTAH	76.08			[illegible]	189.95	87.20	75.33	12.43	52
53	WYOMING	3,232.00			[illegible]	61.90	36.00	41.30	22.80	53
54	**TOTALS**	**6,629.70**		**14,048.00**	**21,475.09**	**1,409.30**	**376.09**	**377.78**	**508.35**	54
	PACIFIC									
55	CALIFORNIA	3,342.00	79,653.40		17,154.90	2,062.36	301.57	717.18	622.70	55
56	OREGON	488.00				16.94		5.04	6.07	56
57	WASHINGTON	4,056.00	103.00			30.30	.50	5.67	12.23	57
58	**TOTALS**	**7,886.00**	**79,756.40**		**17,154.90**	**2,109.60**	**302.07**	**727.89**	**641.00**	58
	NON-CONTIGUOUS U.S.									
59	ALASKA									59
60	HAWAII		7,290.49			64.30		142.10	7.41	60
61	PUERTO RICO					32.00	11.47	67.00	24.30	61
62	VIRGIN ISLANDS									62
63	**TOTALS**		**7,290.49**			**96.30**	**11.47**	**209.10**	**31.71**	63
64	**U.S. TOTALS**	**471,491.32**	**256,647.08**	**79,826.13**	**164,930.20**	**23,628.17**	**5,744.22**	**24,904.38**	**8,002.89**	64

TABLE 9-B

WATER TREATMENT EXPENSES AND COOLING FACILITY COSTS BY WATER RESOURCE REGION, 1969

LINE NO	WATER RESOURCE REGION	COSTS OF INSTALLED FACILITIES - $1,000				ANNUAL EXPENSES - $1,000				LINE NO
		COOLING WATER				COOLING WATER		BOILER WATER MAKEUP & BLOWDOWN TREATMENT		
		ONCE THROUGH FRESH	ONCE THROUGH SALINE	COOLING PONDS	COOLING TOWERS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	
1	NEW ENGLAND	4,750.55	33,758.98		577.42	1,379.56	318.07	1,358.36	1,085.19	1
2	MIDDLE ATLANTIC	46,633.60	86,433.41	6,565.80	1,033.20	5,947.16	1,478.58	7,963.62	1,424.14	2
3	SOUTH ATLANTIC - GULF	43,024.22	42,036.50	14,168.05	2,311.50	1,058.84	218.08	1,200.25	499.18	3
4	GREAT LAKES	75,448.33		1,100.00	960.00	2,910.00	354.86	6,526.53	652.84	4
5	OHIO	116,213.48			47,054.32	3,685.34	555.85	2,360.78	1,279.83	5
6	TENNESSEE	26,169.00		1,366.00	965.00	309.70	42.50	353.70	134.00	6
7	UPPER MISSISSIPPI	83,949.00		6,205.00	4,469.32	1,914.24	563.37	2,066.85	833.99	7
8	LOWER MISSISSIPPI	28,111.40	5,325.30	3,527.50	7,315.22	389.86	155.12	144.92	135.99	8
9	SOURIS - RED - RAINY	1,339.00			542.00	26.11	1.69	24.39	10.75	9
10	MISSOURI	31,409.70		4,460.00	12,070.78	1,192.71	329.93	962.54	270.79	10
11	ARKANSAS - WHITE - RED	3,073.44		7,122.46	28,098.27	689.83	625.06	331.26	109.27	11
12	TEXAS - GULF	1,995.60	2,046.00	22,340.32	21,073.98	1,010.85	394.18	365.07	402.25	12
13	RIO GRANDE				8,323.80	373.20	154.78	91.90	56.01	13
14	UPPER COLORADO	937.00		11,629.00	1,112.51	137.87	77.87	59.47	65.33	14
15	LOWER COLORADO	356.92		730.00	8,174.73	250.30	87.64	78.12	344.79	15
16	GREAT BASIN	194.08		612.00	3,071.25	140.65	73.10	79.63	30.43	16
17	COLUMBIA - NORTH PACIFIC	4,544.00	103.00			47.24	.50	10.71	18.30	17
18	CALIFORNIA - SOUTH PACIFIC	3,342.00	79,653.40		17,154.90	2,062.36	301.57	717.18	618.10	18
19	**TOTALS - CONTIGUOUS U.S.**	**471,491.32**	**249,356.59**	**79,826.13**	**164,930.20**	**23,531.87**	**5,732.75**	**24,695.28**	**7,971.18**	**19**
20	ALASKA									20
21	HAWAII		7,290.49			64.30		142.10	7.41	21
22	PUERTO RICO					32.00	11.47	67.00	24.30	22
23	**TOTALS - NON-CONTIGUOUS U.S.**		**7,290.49**			**96.30**	**11.47**	**209.10**	**31.71**	**23**
24	**TOTALS - UNITED STATES**	**471,491.32**	**256,647.08**	**79,826.13**	**164,930.20**	**23,628.17**	**5,744.22**	**24,904.38**	**8,002.89**	**24**

1	NAME OF UTILITY	1	ALABAMA POWER CO.		ALABAMA POWER CO.		ALABAMA POWER CO.		ALABAMA POWER CO.		ALABAMA POWER CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	BARRY		CHICKASAW		GADSDEN		GORGAS #2 & #3		GREENE		4
5	UTILITY-PLANT CODE	5	00450C-C2C0		00450C-C4C0		00450C-C6C0		00450C-C62C		00450C-C8C0		5
6	STATE	6	ALABAMA		ALABAMA		ALABAMA		ALABAMA		ALABAMA		6
7	COUNTY	7	MOBILE		MOBILE		ETOWAH		WALKER		GREENE		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	005 03		005 03		003 03		004 03		004 03		8
9	PLANT CAPACITY (MW)	9	982.00		138.00		138.00		757.00		568.00		9
10	ANNUAL GENERATION (MWH) [3]	10	3,111,900		803,600		772,300		4,127,300		3,545,700		10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	9,954		13,841		12,116		10,671		9,354		11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12	1,272.44		49.67		224.00		1,861.00		1,378.40		12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	12,153		12,994		11,935		11,805		12,670		13
14	AVERAGE SULFUR CONTENT (%)	14	2.30		2.00		1.00		1.54		2.00		14
15	AVERAGE ASH CONTENT (%)	15	12.98		12.87		11.70		13.22		14.30		15
16	AVERAGE MOISTURE CONTENT (%)	16	6.73		6.67		7.63		6.72		6.59		16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	6.56		.48		.12		16.10		7.17		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	138,000		138,000		138,000		138,000		138,000		18
19	AVERAGE SULFUR CONTENT (%)	19	.16		.16		.29		.75		.75		19
20	GAS: CONSUMPTION (1,000 MCF)	20			9,387.00		3,832.00						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21			1,057		1,043						21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22	4		3		2		7		2		22
23	- NO. OF WET BOTTOM	23	2						4		2		23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	3		3				4				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	1				2				2		26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27											27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	15.00 18.00		15.00 22.00		20.00		15.00	18.00 20.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	84.00 85.00		85.00				84.00 87.00				30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32	80.00		80.00				84.00 87.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33	98.00				95.00				98.00		33
34	TESTED, LOW - HIGH	34											34
35	EST., LOW - HIGH	35	95.00				70.00				95.00		35
36	DESULFUPIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	24.81		1.05		6.73		57.04		6.41		39
40	SULFUR DIOXIDE (1,000 TONS)	40	57.36		1.94		4.38		56.24		54.05		40
41	NITROGEN OXIDES (1,000 TONS)	41	15.20		2.28		2.76		25.96		20.69		41
42	STACKS: - TOTAL NO.	42	4		3		2		7		2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	200.00 600.00		174.50		147.30		178.00 250.00		300.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45	138.50		5.50		20.10		186.80		189.20		45
46	SOLD (1,000 TONS) [11]	46	.60										46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	ANNUAL COST: MECHANICAL PRECIPITATORS ($1,000)	50	955.00		296.01				1,072.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	1,016.00				266.00				1,071.00		51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52											52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	920.00		11.00		11.00		181.00		256.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	125.00		24.50		51.00		164.00		89.00		55
56	REVENUES FROM SALE OF ASH ($1,000)	56	1.62										56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	125.00		24.50		51.00		164.00		89.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	1.62										60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	MOBILE RIVER		MOBILE RIVER		COOSA RIVER		BLK. WARRIOR R.		BLK. WARRIOR R.		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	676.00		278.00		236.00		617.00		508.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	676.00		278.00		236.00		617.00		508.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	5.81		2.39		2.03		5.31		4.37		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	JUN DEC		JUN DEC		JUN DEC		JUN DEC		JUN DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	66	90.00 62.00		92.00 64.00		89.00 55.00		73.00 54.00		90.00 58.00		66
67	AT OUTFALL, SUMMER - WINTER	67	108.00 94.00		105.00 76.00		101.00 72.00		89.00 80.00		104.00 76.00		67
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	68	16,937.00		16,937.00		4,067.00		1,691.00		3,653.00		68
69	- WINTER	69					7,460.00						69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C [16]	70	H		H		H		H		H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.18		.25		.05		.64				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.55		.65		.21		1.94				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74	30.53						15.25		46.78		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	2.72						1.04		1.50		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	YES		YES		YES		YES		YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	ST/OT		ST		ST		ST		OT		77
78	RECEIVING WATER BODY [19]	78	MOBILE RIVER								BLK. WARRIOR R.		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	9.00 7.00		9.00 7.00		9.00 6.00		9.00 7.00		9.00 6.00		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	3.00 50.00		3.00 25.00		3.00 25.00		3.00 5.00		3.00 5.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	200.00		560.00		8.40		260.00		2,000.00		81
82	- ASH SETTLING	82	220,000.00		2,500.00		5,000.00		100,000.00		60,000.00		82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83	4 982.01		3 138.00		2 138.00		6 756.90		2 568.48		83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING PONDS(S)	85											85
86	COOLING TOWER(S)	86											86
87	COMBINATIONS [21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1953 1969		1941 1951		1949		1929 1958		1965		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	17.00 19.30		14.00		20.00		15.60 16.00		16.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	1,136.70		326.60		263.00		1,196.50		612.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	837.00		333.30		262.40		1,200.00		612.00		91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	2,810.00		149.00		306.00		1,389.00		1,726.00		92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94											94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	25.00		20.00		10.00		36.00		27.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96											96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	20.00		20.00		8.80		66.00		30.80		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	8.40		2.57		6.80		12.00		24.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	ALEXANDRIA ELEC. LIGHT & WATER WORKS	APPALACHIAN POWER CO	APPALACHIAN POWER CO	APPALACHIAN POWER CO	APPALACHIAN POWER CO	
4	NAME OF PLANT	ALEXANDRIA # 2	CABIN CREEK	CLINCH RIVER	GLEN LYN	KANAWHA RIVER	
5	UTILITY-PLANT CODE	007000-C200	014000-0300	014000-0500	014000-0600	014000-0700	
6	STATE	LOUISIANA	WEST VIRGINIA	VIRGINIA	VIRGINIA	WEST VIRGINIA	
7	COUNTY	RAPIDES	KANAWHA	RUSSELL	GILES	KANAWHA	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	106 11	234 05	207 06	226 05	234 05	
9	PLANT CAPACITY (MW)	97.50	273.50	669.00	401.10	426.00	
10	ANNUAL GENERATION (MWH) [3]	275,500	788,200	5,353,900	2,364,200	3,370,800	
11	PLANT HEAT RATE (BTU/KWH) [3]	12,981	13,752	9,066	10,129	9,097	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		432.40	1,990.10	1,000.10	1,220.60	12
13	AVERAGE HEAT CONTENT (BTU/LB)		12,462	12,187	11,875	12,558	13
14	AVERAGE SULFUR CONTENT (%)		.91	.57	1.03	.83	14
15	AVERAGE ASH CONTENT (%)		10.49	15.92	16.84	11.24	15
16	AVERAGE MOISTURE CONTENT (%)		5.46	4.85	5.32	5.99	16
17	OIL: CONSUMPTION (1,000 BARRELS)						17
18	AVERAGE HEAT CONTENT (BTU/GAL)						18
19	AVERAGE SULFUR CONTENT (%)						19
20	GAS: CONSUMPTION (1,000 MCF)	3,406.10					20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,050					21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	9	3	10	2	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS		9	3	3		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					2	26
27	- NO. WITH COMBINATION PRECIPITATORS [4]				1		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	6.00 10.00	20.00	20.00	15.00 20.00	15.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		15.00 85.00		85.00		30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH		15.00 85.00	85.00	85.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH				95.00	98.50	33
34	TESTED, LOW - HIGH					95.80	34
35	EST., LOW - HIGH				95.00	98.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		8.59	40.40	15.25	3.62	39
40	SULFUR DIOXIDE (1,000 TONS)		7.71	22.23	20.19	19.86	40
41	NITROGEN OXIDES (1,000 TONS)	.66	3.80	17.91	8.95	10.99	41
42	STACKS: - TOTAL NO.	3	3	2.	5	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	63.50 93.00	250.00 262.00	450.00	225.00 435.00	325.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]		39.80	289.60	156.70	144.00	45
46	SOLD (1,000 TONS) [11]		2.50	12.10	8.40	44.90	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			183.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)					2,966.00	51
52	COMBINATION PRECIPITATORS ($1,000) [4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)			461.00		519.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		51.60	85.50	57.20	82.50	55
56	REVENUES FROM SALE OF ASH ($1,000)		1.50	10.80	2.00	86.80	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		51.60	85.50	57.20	82.50	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		1.50	10.80	2.00	86.80	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	WELLS	CABIN CREEK	CLINCH RIVER	NEW RIVER	KANAWHA RIVER	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	.54	400.00	11.10	533.00	640.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	.01	400.00	1.60	533.00	640.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.54	3.44	9.50	4.58	5.50	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL FEB	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 86.00	85.00 48.00	83.50 35.00	84.00 51.00	83.00 43.80	66
67	AT OUTFALL, SUMMER - WINTER	105.00 100.00	93.00 56.00	79.00 59.00	98.00 65.00	97.00 57.20	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		12,580.00	695.00	3,568.00	10,240.00	68
69	- WINTER		12,580.00	695.00	3,568.00	10,240.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H					70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.20		1.01	.10	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	4.00	.10		.01	.10	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		.70		8.54		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.75	.60	45.00 .38	14.86 .24	11.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	NO YES	YES YES	YES	NO NO	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS/SW	ST	OT	OT	ST	77
78	RECEIVING WATER BODY [19]		CABIN CREEK		NEW RIVER	KANAWHA RIVER	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.40	12.50	9.00	6.80	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		90.00		5.60	23.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82	- ASH SETTLING		86,000.00		99,000.00	35.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		7 273.50		4 403.10	2 426.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)	3 97.50		3 712.50			86
87	COMBINATIONS [21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1956 1963	1943	1958 1961	1924 1957	1953	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	18.00 20.00	8.30	18.80	12.20 12.80	13.60	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	186.00	405.60	660.00	527.70	606.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		778.00		774.00	625.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)						92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)	286.00		985.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.00	7.90	26.70	11.50	3.20	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	9.10		25.80	2.20	1.50	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	16.00	2.60	1.70	1.60	3.20	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	1.30	.50	1.00	2.70		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	ARIZONA PUBLIC SERVICE CO	ARIZONA PUBLIC SERVICE CO	ARIZONA PUBLIC SERVICE CO.	APIZONA PUBLIC SERVICE CO.	ARIZONA PUBLIC SERVICE CO.	
4	NAME OF PLANT	CHOLLA	FOUR CORNERS	OCOTILLO	SAGUARO	YUCCA	
5	UTILITY-PLANT CODE	017000-C200	017000-0300	017000-0500	017000-0700	017000-0900	
6	STATE	ARIZONA	NEW MEXICO	ARIZONA	ARIZONA	APIZONA	
7	COUNTY	NAVAJO	SAN JUAN	MARICOPA	PINAL	YUMA	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE PEGION NO. [2]	014 15	014 14	015 15	015 15	013 15	
9	PLANT CAPACITY (MW)	115.00	1,330.00	220.00	200.00	75.00	
10	ANNUAL GENERATION (MWH) [3]	870,500	4,722,400	977,800	135,200	143,418	
11	PLANT HEAT RATE (BTU/KWH) [3]	9,600	10,580	10,161	11,974	13,147	
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	397.00	2,777.30				
13	AVERAGE HEAT CONTENT (BTU/LB)	10,503	8,900				
14	AVERAGE SULFUR CONTENT (%)	.47	.64				
15	AVERAGE ASH CONTENT (%)	8.07	21.38				
16	AVERAGE MOISTURE CONTENT (%)	15.48	11.90				
17	OIL: CONSUMPTION (1,000 BARRELS)					.57	
18	AVERAGE HEAT CONTENT (BTU/GAL)					154,000	
19	AVERAGE SULFUR CONTENT (%)					1.50	
20	GAS: CONSUMPTION (1,000 MCF)	20.40	492.40	9,333.20	1,583.10	1,760.30	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	920	1,080	1,065	1,063	1,062	
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	1	4	2	2	1	
23	- NO. OF WET BOTTOM						
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS	1	3				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		1				
27	- NO. WITH COMBINATION PRECIPITATORS [4]						
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIP USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	12.50 16.00	7.00		7.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00	85.00				
31	TESTED, LOW - HIGH		77.73 80.00				
32	ESTIMATED, LOW - HIGH	80.00	77.00				
33	ELECTPOSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		97.00				
34	TESTED, LOW - HIGH						
35	EST., LOW - HIGH		97.00				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	5.45	91.97				
40	SULFUR OIOXIDE (1,000 TONS)	3.66	34.84				
41	NITROGEN OXIDES (1,000 TONS)	3.58	25.09	1.82	.31	.34	
42	STACKS: - TOTAL NO.	1	3	4	1	1	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	250.00	250.00 300.00	178.00	160.00	146.50	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]		596.00				
46	SOLD (1,000 TONS) [11]						
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	72.10	359.40				
51	ELECTROSTATIC PRECIPITATORS ($1,000)		4,172.00				
52	COMBINATION PRECIPITATORS ($1,000) [4]						
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)	174.00	339.40	186.00	106.40		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	10.48	99.70				
56	REVENUES FROM SALE OF ASH ($1,000)						
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	10.48	99.70				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	WELLS	SAN JUAN RIVER	WELLS	WELLS	WELLS	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	4.62	28.10	2.98	1.00	2.77	
63	AVEPAGE RATE OF DISCHARGE (CFS)						
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	4.62	28.10	2.98	1.00	2.77	
65	PEAK LOAD MONTH : SUMMER - WINTER [15]						
66	MAX. TEMP. OURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER						
67	AT OUTFALL, SUMMER - WINTER						
68	AVE. FLOW IN PECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
69	- WINTER						
70	FREQUENCY OF TEMPERATURE MONITOPING: C, H, O, O [16]			O	O		
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.43	1.50		3.16	.02	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	51.99	196.66		23.50	9.20	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		34.13				
74	ALUM (TONS), COOLING WATER - BOILFR MAKEUP		6.20				
75	CHLOPINE (TONS), COOLING WATER - BOILER MAKEUP	8.00	1.00	20.00	4.35	3.00	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES YES	YES YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
78	[19] RECEIVING WATER BODY						
79	POND DISCHAPGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.00	12.00				
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82	- ASH SETTLING		147,000.00				
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)						
84	ONCE THROUGH COOLING (SALINE)						
85	COOLING POND(S)	1 115.00	4 1,330.00				
86	COOLING TOWER(S)			2 220.00	2 200.00	1 75.00	
87	COMBINATIONS [21]						
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1963	1960	1954 1955	1959	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	18.31	16.13 20.00	19.20	22.60	20.00	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	62.00	1,556.40	25.80	312.00	86.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THPOUGH COOLING SYSTEMS ($1,000)						
93	COOLING PONDS ($1,000)	730.00	11,280.00				
94	COOLING TOWERS ($1,000)			757.50	414.90	676.00	
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	63.30		71.00	30.00	18.00	
96	COST OF CHEMICAL ADDITIVES ($1,000)	1.10	3.60	14.00	5.30	4.50	
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPEPATION AND MAINTENANCE EXPENSES ($1,000)	11.90		2.00	1.00	3.00	
98	COST OF CHEMICAL ADDITIVES ($1,000)	10.60	54.70	7.00	2.90	1.04	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	ARKANSAS ELECTRIC COOP CORP.	ARKANSAS ELECTRIC COOP CORP.	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.		
NAME OF PLANT	FITZHUGH	BAILEY	LYNCH	MCSES	COUCH		
UTILITY-PLANT CODE	01750-0100	01750-0200	01850-0200	01850-0300	01850-0400		
STATE	ARKANSAS	ARKANSAS	ARKANSAS	ARKANSAS	ARKANSAS		
COUNTY	FRANKLIN	WOODRUFF	PULASKI	ST. FRANCIS	LAFAYETTE		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	021 11	020 11	016 11	020 08	022 11		
PLANT CAPACITY (MW)	59.84	120.00	260.00	138.00	187.00		
ANNUAL GENERATION (MWH) [3]	168,600	429,900	758,100	301,000	693,600		
PLANT HEAT RATE (BTU/KWH) [3]	11,316	10,646	12,519	12,362	11,453		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)		8.00	36.50	79.40	13.70	
AVERAGE HEAT CONTENT (BTU/GAL)		155,000	150,000	150,000	150,000	
AVERAGE SULFUR CONTENT (%)		1.55	1.00	.91	2.70	
GAS: CONSUMPTION (1,000 MCF)	1,859.57	4,428.28	8,993.70	3,248.00	8,123.73	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,024	1,023	1,021	1,010	987	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	1	3	2	2	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	7.00	8.00	7.00	7.00	7.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)			.01	.01		
SULFUR OIOXIDE (1,000 TONS)		.04	.12	.24	.12	
NITROGEN OXIDES (1,000 TONS)	.36	.88	1.83	.81	1.61	
STACKS: - TOTAL NO.	1	1	3	4	3	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	179.00	167.00	147.00 150.00	141.00	147.00 150.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]						
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	29.00	29.00	72.30	24.80	59.20	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	ARKANSAS RIVER	WHITE RIVER	WELL	WELL/L'ANGUILLE R	WELL	
AVERAGE RATE OF WITHDRAWAL (CFS)	55.00	93.00	3.10	2.55	1.64	
AVERAGE RATE OF DISCHARGE (CFS)	55.00	93.00	.44	.84	.40	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.47	.80	2.66	2.11	1.24	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC		JUL OCT		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	91.00 59.00	76.00 50.00				
AT OUTFALL, SUMMER - WINTER	104.00 76.00	94.00 67.00		86.00 76.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	29,600.00	17,200.00		107.60		
- WINTER	19,500.00	15,300.00		27.90		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C		H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.18	.04	1.02	.73	.23	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.01				
LIME (TONS), COOLING WATER - BOILER MAKEUP			599.45	13.73		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				119.95		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]			24.78	16.38	15.82	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	NO YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY [19]	ARKANSAS RIVER					
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	1 59.84	1 120.00				
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)			3 259.00	2 138.00	2 187.00	
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1966	1947 1954	1951	1943 1954	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00	20.70	16.50 18.00	18.00	15.00 18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	91.35	116.00	367.00	218.00	260.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91.40	116.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	630.00	897.00				
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)			773.70	464.50	586.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.00	3.00	42.10	13.90	6.90	
COST OF CHEMICAL ADDITIVES ($1,000)			37.10	19.30	7.10	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.20	4.00	4.50	2.60	3.70	
COST OF CHEMICAL ADDITIVES ($1,000)	.42	2.00	1.10	1.00	.30	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.	ASSOCIATED ELEC. COOP INC.	ATLANTIC CITY ELECTRIC CO.	ATLANTIC CITY ELECTRIC CO.	
NAME OF PLANT	LAKE CATHERINE	RITCHIE	HILL	ENGLAND	MISSOURI AVENUE	
UTILITY-PLANT CODE	01850-0500	01850-0600	02100C-0100	02200C-0100	02200C-0300	
STATE	ARKANSAS	ARKANSAS	MISSOURI	NEW JERSEY	NEW JERSEY	
COUNTY	GARLAND	PHILLIPS	RANDOLPH	CAPE MAY	ATLANTIC	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	016 08	020 08	137 10	150 02	150 02	
PLANT CAPACITY (MW)	204.00	904.00	470.00	299.20	50.00	
ANNUAL GENERATION (MWH) [3]	922,500	4,888,000	2,452,600	1,990,700	319,371	
PLANT HEAT RATE (BTU/KWH) [3]	11,817	9,832	9,868	9,807	12,347	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			1,200.67	763.49	137.81	
AVERAGE HEAT CONTENT (BTU/LB)			10,313	13,161	13,826	
AVERAGE SULFUR CONTENT (%)			3.92	2.87	.57	
AVERAGE ASH CONTENT (%)			11.52	9.58	6.07	
AVERAGE MOISTURE CONTENT (%)			15.67	3.44	4.02	
OIL: CONSUMPTION (1,000 BARRELS)	28.40	160.20		3.15	1.35	
AVERAGE HEAT CONTENT (BTU/GAL)	150,000	150,000		139,301	140,855	
AVERAGE SULFUR CONTENT (%)	2.50	.90		.10	.10	
GAS: CONSUMPTION (1,000 MCF)	10,645.80	44,183.20				
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,017	1,024				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	2	2	2	2	
- NO. OF WET BOTTOM				2		
- NO. WITH FLY ASH REINJECTION				2		
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS			2	2	2	
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	7.00 10.00	7.00 10.00	18.00	16.00	26.00 28.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			93.30 95.00	97.10 98.00	95.00	
TESTED, LOW - HIGH			95.30 96.50	95.37 95.46	81.40 87.80	
EST., LOW - HIGH			95.30 96.50	93.50 94.00	81.40 87.80	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		.03	.58	.50	1.10	
SULFUR DIOXIDE (1,000 TONS)	.24	.48	92.25	42.80	1.54	
NITROGEN OXIDES (1,000 TONS)	2.14	8.97	33.02	21.00	1.24	
STACKS: - TOTAL NO.	2	3	2	2	2	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	175.00 236.00	450.00	400.00	250.50	216.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]				.02		
TOTAL ASH: COLLECTED (1,000 TONS) [10]			128.40	73.27	8.13	
SOLD (1,000 TONS) [11]				55.90		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)			702.00	744.70	156.60	
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	121.80	463.40	746.00	291.60	56.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			136.00		11.80	
REVENUES FROM SALE OF ASH ($1,000)				12.43		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					11.80	
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]				12.43		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE CATHERINE	MISSISSIPPI RIVER	M FK CHARITON R.	GREAT EGG HARBOR	BEACH THOROFARE	
AVERAGE RATE OF WITHDRAWAL (CFS)	311.00	534.00	535.00	342.00	117.00	
AVERAGE RATE OF DISCHARGE (CFS)	311.00	534.00	526.00	342.00	117.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	2.67	4.59	9.00	2.94	1.01	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG OCT	JUL NOV	JUL JAN	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	62.70 62.00	83.00 56.00	82.00 45.00	73.00 48.00	74.50 49.50	
AT OUTFALL, SUMMER - WINTER	71.70 71.00	103.00 85.00	93.00 55.00	88.00 78.00	90.00 68.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2,449.00	728,000.00	535.00	TIDAL		
- WINTER	952.00	281,000.00	535.00	TIDAL		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	H	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.22	.04		.20	.36	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		63.95	91.75	133.48	9.57	
LIME (TONS), COOLING WATER - BOILER MAKEUP					1.76	
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	12.51	10.19	8.00	60.00	15.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	NO YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	OT	ST	PS	
RECEIVING WATER BODY			M FK CHARITON R.	LEACHING FIELD		
POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING			6.90	9.80 8.00	7.90 7.90	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				5.00 50.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				1,200.00	22.50	
- ASH SETTLING			2,680.00	40,000.00	21,442.81	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	3 204.00	2 904.00		2 299.20	2 58.50	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)			2 470.00			
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1952	1961 1967	1966	1962 1963	1941 1946	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	12.50 18.40	25.00 30.00	16.85 18.12	10.00	10.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	358.00	685.00	534.80	432.00	142.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	358.00	685.00		432.00	142.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	737.80	5,749.70		1,732.70	488.10
COOLING PONDS ($1,000)			2,245.00		
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	.06	1.70	3.00		29.40	
COST OF CHEMICAL ADDITIVES ($1,000)	1.22	1.50	1.00	6.00	1.50	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.02	25.30	30.00	62.06	76.69	
COST OF CHEMICAL ADDITIVES ($1,000)	.49	25.40	30.00		2.80	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.		
NAME OF PLANT	CRANE	GOULD ST	WAGNER	RIVERSIDE	WESTPORT		
UTILITY-PLANT CODE	02650C-0100	02650C-0200	02650C-0300	02650C-0500	02650C-0600		
STATE	MARYLAND	MARYLAND	MARYLAND	MARYLAND	MARYLAND		
COUNTY	BALTIMORE	BALTIMORE CITY	ANNE ARUNDEL	BALTIMORE	BALTIMORE CITY		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	115 02	115 02	115 02	115 02	115 02		
PLANT CAPACITY (MW)	400.00	174.00	628.00	333.00	194.00		
ANNUAL GENERATION (MWH)[3]	2,695,200	954,200	4,204,400	1,958,500	1,015,000		
PLANT HEAT RATE (BTU/KWH)[3]	9,540	12,257	9,391	11,782	13,952		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	896.00	430.30	1,486.00	231.20	428.60		
AVERAGE HEAT CONTENT (BTU/LB)	13,582	12,933	13,266	13,025	13,068		
AVERAGE SULFUR CONTENT (%)	2.43	2.00	2.00	1.96	1.94		
AVERAGE ASH CONTENT (%)	8.05	12.20	9.11	11.99	11.78		
AVERAGE MOISTURE CONTENT (%)	2.88	4.86	3.61	4.67	4.69		
OIL: CONSUMPTION (1,000 BARRELS)	222.00	203.20	6.70	2,730.00	434.60		
AVERAGE HEAT CONTENT (BTU/GAL)	147,511	148,398	138,366	148,660	148,619		
AVERAGE SULFUR CONTENT (%)	1.88	2.16	.31	2.28	2.00		
GAS: CONSUMPTION (1,000 MCF)		73.22					
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,021					

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	3	3	5	4		
- NO. OF WET BOTTOM	2						
- NO. WITH FLY ASH REINJECTION	2						
- NO. WITH MECHANICAL PRECIPITATORS		2		2			
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	1	1	3	3		
- NO. WITH COMBINATION PRECIPITATORS[4]			2		1		
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00 20.00 25.00		19.00 23.00	14.00 20.00	14.00 20.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				89.00			
TESTED, LOW - HIGH				69.00			
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00	95.00	95.00 99.00	87.00	82.00 87.00		
TESTED, LOW - HIGH	80.00	97.50	95.00 99.00	84.00 91.00	79.00 93.00		
EST., LOW - HIGH	70.00	95.00	92.00 98.00	83.00 90.00	77.00 93.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	2.34	7.51	4.76	3.31	5.52		
SULFUR DIOXIDE (1,000 TONS)	44.18	17.15	60.91	29.78	17.73		
NITROGEN OXIDES (1,000 TONS)	25.19	4.06	13.40	8.11	4.46		
STACKS: - TOTAL NO.	2	3	2	5	3		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	353.00	238.00	286.80 345.50	216.00	220.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	48.60	51.40	154.60	23.80	30.30		
SOLD (1,000 TONS)[11]	48.60		5.00	6.40	1.10		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		588.00		699.00			
ELECTROSTATIC PRECIPITATORS ($1,000)	3,330.00	516.00	983.00	907.00	368.00		
COMBINATION PRECIPITATORS ($1,000)[4]			2,603.00		432.00		
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	4,513.00	225.00	1,031.00	520.00	154.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	57.00	112.50	259.20	71.90	129.60		
REVENUES FROM SALE OF ASH ($1,000)	33.40		3.89	5.20	.80		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	57.00	112.50	259.20	71.90	129.60		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	33.40		3.89	5.20	.80		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	SENECA CREEK	PATAPSCO RIVER	PATAPSCO RIVER	PATAPSCO RIVER	PATAPSCO RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	636.00	237.00	765.00	486.00	353.00		
AVERAGE RATE OF DISCHARGE (CFS)	636.00	237.00	765.00	486.00	353.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.47	2.04	6.58	4.18	3.04		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL JAN	JUN JAN	SEP FEB	SEP MAR		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 46.00	84.00 43.00	82.00 43.00	77.00 39.00	81.00 49.00		
AT OUTFALL, SUMMER - WINTER	97.00 57.00	95.00 56.00	102.00 64.00	95.00 58.00	97.00 70.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL	TIDAL	TIDAL	TIDAL	TIDAL		
- WINTER	TIDAL	TIDAL	TIDAL	TIDAL	TIDAL		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C[16]	C	C	C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.05					
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.10					
LIME (TONS), COOLING WATER - BOILER MAKEUP							
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		88.00	146.00	136.00	56.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	SW	PS	PS	PS		
[19] RECEIVING WATER BODY		PATAPSCO RIVER					
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.80	6.80	6.80	6.80	6.80		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	52.00	2,092.00	62.00	126.00	734.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING	23,200.00	62,700.00	13,300.00	2,000.00	3,900.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							
ONCE THROUGH COOLING (SALINE)	2 400.00	3 173.00	3 627.00	5 333.00	3 194.00		
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1961 1962	1927 1952	1956 1966	1942 1953	1924 1950		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.30	15.00	12.00 15.00	15.00	15.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	694.00	330.00	834.00	573.00	413.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	694.00	330.00	834.00	573.00	413.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,364.00	627.00	4,775.00	2,616.00	1,252.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.40	22.00	25.70	32.70	37.40		
COST OF CHEMICAL ADDITIVES ($1,000)		7.00	13.10	12.40	5.10		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.60	6.50	7.50	6.20	4.00		
COST OF CHEMICAL ADDITIVES ($1,000)	3.20	1.30	8.40	3.60	.90		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	BASIN ELECTRIC POWER COOP	BEECH BOTTOM POWER CO.	BIG RIVERS RURAL ELECTRIC COOP	BIG RIVERS RURAL ELECTRIC COOP	BLACKSTONE VALLEY ELECTRIC CO.		
NAME OF PLANT	LELAND OLDS	WINDSOR	COLEMAN	REID	PAWTUCKET		
UTILITY-PLANT CODE	031000-C100	035500-0100	041000-0050	041000-C100	043000-C200		
STATE	NORTH DAKOTA	WEST VIRGINIA	KENTUCKY	KENTUCKY	RHODE ISLAND		
COUNTY	MERCER	BROOKE	HANCOCK	HENDERSON	PROVIDENCE		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	172 10	181 05	077 05	077 05	120 01		
PLANT CAPACITY (MW)	240.00	300.00	170.00	80.00	28.00		
ANNUAL GENERATION (MWH) [3]	1,442,700	987,600	147,000	471,700	30,561		
PLANT HEAT RATE (BTU/KWH) [3]	11,108	14,854	8,650	11,407	41,611		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,185.00	629.10	62.90	244.34		
AVERAGE HEAT CONTENT (BTU/LB)	6,744	11,569	10,862	11,135		
AVERAGE SULFUR CONTENT (%)	.75	3.14	4.27	4.15		
AVERAGE ASH CONTENT (%)	9.91	16.44	13.69	12.88		
AVERAGE MOISTURE CONTENT (%)	38.21	4.84	10.79	9.55		
OIL: CONSUMPTION (1,000 BARRELS)	7.18				153.16	
AVERAGE HEAT CONTENT (BTU/GAL)	140,000				148,701	
AVERAGE SULFUR CONTENT (%)	.10				2.50	
GAS: CONSUMPTION (1,000 MCF)			100.90		170.80	
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,000		1,046	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	4	1	1	13	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	1	4		1		
- NO. WITH ELECTROSTATIC PRECIPITATORS			1			
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	24.00	20.00	18.00	22.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00			85.00		
TESTED, LOW - HIGH	85.50					
ESTIMATED, LOW - HIGH	85.00	77.00		85.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			98.00			
TESTED, LOW - HIGH						
EST., LOW - HIGH			99.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	14.97	20.22	.07	4.01	.03	
SULFUR DIOXIDE (1,000 TONS)	17.42	38.72	5.26	19.87	1.28	
NITROGEN OXIDES (1,000 TONS)	10.68	5.66	.59	2.20	.37	
STACKS: - TOTAL NO.	1	2	1	1	2	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	250.00	272.00	350.00	250.00	238.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	71.00	95.80	9.44	31.40		
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	145.00			25.00		
ELECTROSTATIC PRECIPITATORS ($1,000)			579.70			
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	130.00		322.00	125.00	25.80	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	45.00	32.80	3.78	17.10		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	45.00	32.80	3.77	17.10		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MISSOURI RIVER	OHIO RIVER	OHIO RIVER	GREEN RIVER	PAWTUCKET RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	162.64	1,025.00	234.00	1,494.00	83.55	
AVERAGE RATE OF DISCHARGE (CFS)	162.64	1,025.00	234.00	1,425.00	99.70	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.40 .05		2.01	12.85 69.00	.72	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN	AUG DEC	AUG DEC	AUG JAN	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	62.00 40.00	88.00 45.00	54.00	83.00 41.00	80.00 54.00	
AT OUTFALL, SUMMER - WINTER	90.00 68.00	100.00 60.00	68.00	98.00 57.00	110.00 74.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	27,900.00	8,700.00				
- WINTER	31,600.00	8,700.00		1,494.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H				C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	.29	.05	.45	6.60	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		360.94	32.63	.05	8.61	
LIME (TONS), COOLING WATER - BOILER MAKEUP	25.00			4.75		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				11.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			.50	1.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO	NO YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	PS	
RECEIVING WATER BODY	MISSOURI RIVER	OHIO RIVER				
POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING	9.10 9.60		9.50	9.50		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	12.00					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	126,000.00		23,097.60			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	1 240.00	2 120.00	1 160.00	1 80.00		
ONCE THROUGH COOLING (SALINE)					3 36.50	
COOLING PONDS						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965	1939 1941	1969	1965	1913	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	27.00		18.24	16.00	20.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	162.64		217.00	172.00	95.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	167.10	737.00	234.00	172.00	100.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	936.00		1,707.50	1,073.25	71.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.28	21.10		5.00	12.30	
COST OF CHEMICAL ADDITIVES ($1,000)		1.30		1.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	18.63	10.90		8.90	12.00	
COST OF CHEMICAL ADDITIVES ($1,000)	9.70	35.80	6.00		5.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	BOSTON EDISON CO.	BOSTON EDISON CO.	BOSTON EDISON CO.	BOSTON EDISON CO.	BRAZOS ELECTRIC POWER COOP INC.	
NAME OF PLANT	EDGAR	L STREET	MYSTIC	NEW BOSTON	NORTH TEXAS	
UTILITY-PLANT CODE	04850C-01CC	04850C-02CC	04850C-03CC	04850C-04CC	05200C-01CC	
STATE	MASSACHUSETTS	MASSACHUSETTS	MASSACHUSETTS	MASSACHUSETTS	TEXAS	
COUNTY	NORFOLK	SUFFOLK	MIDDLESEX	SUFFOLK	PARKER	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	119 01	119 01	119 01	119 01	215 12	
PLANT CAPACITY (MW)	457.86	153.75	618.75	717.74	75.00	
ANNUAL GENERATION (MWH)[3]	1,410,200	227,100	2,669,700	4,604,300	318,300	
PLANT HEAT RATE (BTU/KWH)[3]	12,527	19,331	10,701	9,288	12,212	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	2,818.90	703.80	4,563.10	6,857.80		
AVERAGE HEAT CONTENT (BTU/GAL)	149,265	148,530	149,039	148,473		
AVERAGE SULFUR CONTENT (%)	2.41	2.22	2.30	2.19		
GAS: CONSUMPTION (1,000 MCF)					3,533.40	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,096	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	11	9	6	2	3	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	7	9	6			
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	24.00	20.00 29.00	13.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	90.00 95.00	80.00 90.00	95.00			
TESTED, LOW - HIGH						
EST., LOW - HIGH	5.00	5.00	5.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.46	.12	.73	1.15		
SULFUR DIOXIDE (1,000 TONS)	23.08	5.43	35.22	50.39		
NITROGEN OXIDES (1,000 TONS)	6.29	1.61	10.07	15.12	.69	
STACKS: - TOTAL NO.	5	3	5	4	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00	266.00	260.00 335.00	250.00	68.00 79.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.53		.20	1.38		
TOTAL ASH: COLLECTED (1,000 TONS)[10]	.10	.10	.10	.50		
SOLD (1,000 TONS)[11]	.10	.10	.10	.50		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	768.40	585.80	1,595.00			
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	192.09	67.51	971.58	256.40	31.90	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	26.50	2.80	16.40	30.00		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	431.50	103.80	671.90	1,015.20		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WEYMOUTH FORE R.	BOSTON HARBOR	MYSTIC RIVER	BOSTON HARBOR	LAKE WEATHERFORD	
AVERAGE RATE OF WITHDRAWAL (CFS)	750.00	178.00	765.00	674.00	63.90	
AVERAGE RATE OF DISCHARGE (CFS)	750.00	178.00	765.00	674.00	63.90	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.45	1.53		5.80	.55	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC		AUG DEC	AUG JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	61.00 42.00	60.00 42.00	58.00 45.00	60.00 42.00	89.00 51.00	
AT OUTFALL, SUMMER - WINTER	75.00 56.00	76.00 58.00	75.00 62.00	76.00 58.00	101.00 64.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL	TIDAL	TIDAL	TIDAL		
- WINTER	TIDAL	TIDAL	TIDAL	TIDAL		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	8.34	.22	1.72		.08	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	3.44	.11	.29		5.60	
LIME (TONS), COOLING WATER - BOILER MAKEUP					1.88	
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP						
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES YES	NO YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	RS	RS	RS	PS	ST	
RECEIVING WATER BODY[19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					9.60	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					216.00	
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					3 75.00	
ONCE THROUGH COOLING (SALINE)	9 460.86	5 155.00		2 718.00		
COOLING PONDS(S)						
COOLING TOWER(S)						
COMBINATIONS[21]			6 618.75			
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1925 1954	1919 1921	1943 1961	1965 1967	1958 1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	9.60 14.60	22.80	14.30 19.10	15.80 16.20	15.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	889.00	200.40	862.30	757.50	142.40	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	750.00	178.00	765.00	1,348.00	133.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,299.53		2,172.05	1,476.90	399.60
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)			109.24		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	63.00	47.00	96.00	48.00	1.00
COST OF CHEMICAL ADDITIVES ($1,000)	36.60	11.16	40.66	16.27	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	112.18	2.14	65.35	23.49	10.20
COST OF CHEMICAL ADDITIVES ($1,000)	3.34	.67	11.36	1.79	2.20

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	BRAZOS ELECTRIC POWER COOR INC.	BURBANK RUBLIC SERVICE DEPT	CAMBRIOGE ELEC. LIGHT CO.	CARDINAL OPERATING CO.	CAROLINA ROWER & LIGHT CO.	
NAME OF PLANT	MILLER	BURBANK	KENDALL SQUAPE	CARDINAL	ASHEVILLE	
UTILITY-PLANT CODE	G52030-C200	059000-0100	065000-C200	070000-0100	072000-G100	
STATE	TEXAS	CALIFORNIA	MASSACHUSETTS	OHIO	NORTH CAROLINA	
COUNTY	PALO RINTO	LOS ANGELES	MIDDLESEX	JEFFERSON	BUNCOMBE	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	215 12	024 18	119 01	181 05	171 C6	
PLANT CAPACITY (MW)	75.00	187.30	67.45	1,180.GC	2C6.64	
ANNUAL GENERATION (MWH) [3]	412,7CC	552,900	338,278	7,981,4CC	1,438,2GC	
PLANT HEAT RATE (BTU/KWH) [3]	11,170	12,101	12,563	9,C67	9,221	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)				2,995.70	546.20	
AVERAGE HEAT CONTENT (BTU/LB)				12,012	12,128	
AVERAGE SULFUR CONTENT (%)				3.54	1.10	
AVERAGE ASH CONTENT (%)				12.73	10.50	
AVERAGE MOISTURE CONTENT (%)				6.31	7.40	
OIL: CONSUMPTION (1,000 BARRELS)		253.6C	637.CC		2.0C	
AVERAGE HEAT CONTENT (BTU/GAL)		150,898	149,000		137,50C	
AVERAGE SULFUR CONTENT (%)		1.23	2.25		.08	
GAS: CONSUMRTION (1,000 MCF)	4,373.40	5,223.80	1,274.00			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,055	1,058	1,0CC			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	7	3	2	1	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION		5				
- NO. WITH MECHANICAL PRECIPITATORS			3	2		
- NO. WITH ELECTROSTATIC PRECIRITATORS					1	
- NO. WITH COMBINATION RRECIRITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	8.00	12.60 15.00	20.00	20.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH		23.00 40.CC				
ELECTROSTATIC/COMBINATION RRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH				95.CC	95.00	
TESTED, LOW - HIGH					96.7C	
EST., LOW - HIGH			5.CC			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		.04	.1C	16.21	1.61	
SULFUR DIOXIDE (1,000 TONS)		1.07	4.81	207.85	11.78	
NITROGEN OXIDES (1,000 TONS)	.85	1.59	1.65	26.96	4.92	
STACKS: - TOTAL NO.	1	6	2	2	1	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	66.00	66.00 150.00	175.00	825.00	392.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]			.04			
TOTAL ASH: COLLECTED (1,000 TONS) [10]			.05	377.60	55.00	
SOLD (1,000 TONS) [11]			.05	12.1C		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIRITATORS ($1,000)		81.00				
ELECTROSTATIC PRECIPITATORS ($1,000)				2,702.00		
COMBINATION PRECIPITATCRS ($1,000) [4]					5C.CC	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	18.00	114.00	44.2C	3,142.00	210.20	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			1.6C	106.9C	5C.CC	
REVENUES FROM SALE OF ASH ($1,000)				5.8C		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)			1.6C	106.90	55.00	
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]			1.6C	5.8C		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	RALO RINTO LAKE	CITY WATER	CHARLES RIVER	OHIO RIVER	FRENCH BROAD R.	
AVERAGE RATE OF WITHDRAWAL (CFS)	12C.10	2.9C	11C.00	1,782.00	131.00	
AVERAGE RATE OF DISCHARGE (CFS)	12C.10	1.2C	11C.00	1,782.00	131.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.03	1.70	.95	15.33		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN	AUG DEC	JUL JAN	AUG DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	89.00 55.00	78.00 70.00		87.00 47.00	75.00 4C.00	
AT OUTFALL, SUMMER - WINTER	104.00 67.00	80.00 72.00	95.00 52.0C	98.00 59.00	88.00 5C.0C	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	133.70		1CC.00	8,000.00	1,060.00	
- WINTER	1C8.40		2CC.00	8,CCC.00	1,63C.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	C		C .18	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUR	.09	.03 .11	.5C	25.0C		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	112.8C	5C.CC			
LIME (TONS), COOLING WATER - BOILER MAKEUR	3.98		2.25			
ALUM (TONS), COOLING WATER - BOILER MAKEUR						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.23	37.00	1.50	90.00 1.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	YES YES	YES YES	YES	YES YES	
SEWAGE DISROSAL: METHOD RS, ST, SW, OT [18]	ST	RS	PS	OT	PS	
RECEIVING WATER BODY				OHIO RIVER		
RONO DISCHARGE: [19] RH, BOILER BLOWDOWN - ASH SETTLING	9.80			8.CC	8.CC	
SUSRENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				5.0C	1C.00	
VOLUME (1,CCO CUFT/YR), BOILER BLOWDOWN	287.31				3C,CCC.CO	
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	1 75.00		3 75.00	2 1,18C.00		
ONCE THROUGH COOLING (SALINE)					1 2C6.64	
COOLING RONDS)						
COOLING TOWER(S)		6 187.3C				
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1968	1949 1964	1949 1957	1967	1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.5C	16.0C	15.0C	12.6C	17.CC	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	133.7C	299.3C	121.00	1,617.4C	2CC.CC	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	133.7C		11C.00	1,782.0C		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	586.00		1CC.00	2,3C7.CC		
COOLING RONDS ($1,COC)					1,366.00	
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	37.27	11.CC	.3C	21.CC	
COST OF CHEMICAL ADDITIVES ($1,000)		14.82	.4C	6.5C	1.7C	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	16.70	8.97	9C.00	5.1C	4.0G	
COST OF CHEMICAL ADDITIVES ($1,000)	2.50	5.84	1C.00	3.50		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.		
NAME OF PLANT	CAPE FEAR	ROBINSON	LEE	ROXBORO	SUTTON		
UTILITY-PLANT CODE	072000-0300	072000-0400	072000-0500	072000-0900	072000-1000		
STATE	NORTH CAROLINA	SOUTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA		
COUNTY	CHATHAM	DARLINGTON	WAYNE	PERSON	NEW HANOVER		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	166 03	201 03	170 03	166 03	170 03		
PLANT CAPACITY (MW)	420.98	206.64	402.45	1,067.85	225.00		
ANNUAL GENERATION (MWH) [3]	2,461,500	1,125,100	2,504,000	6,200,100	1,346,800		
PLANT HEAT RATE (BTU/KWH) [3]	9,989	9,837	9,909	9,060	10,333		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	969.30	447.50	921.90	2,213.30	536.00		
AVERAGE HEAT CONTENT (BTU/LB)	12,668	12,852	13,194	12,667	12,352		
AVERAGE SULFUR CONTENT (%)	1.40	1.20	.90	1.40	1.80		
AVERAGE ASH CONTENT (%)	10.30	9.50	7.70	11.80	13.40		
AVERAGE MOISTURE CONTENT (%)	5.50	4.60	5.30	4.25	5.50		
OIL: CONSUMPTION (1,000 BARRELS)	5.10	18.60	7.80	17.60	10.40		
AVERAGE HEAT CONTENT (BTU/GAL)	137,500	137,500	137,500	137,500	137,500		
AVERAGE SULFUR CONTENT (%)	.08	.08	.08	.08	.08		
GAS: CONSUMPTION (1,000 MCF)			420.10		584.50		
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,044		1,046		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	10	1	3	2	2		
- NO. OF WET BOTTOM					2		
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS	4	1	3	2	2		
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]							
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	20.00 40.00	20.00 85.00	20.00 25.00	20.00 85.00	23.00 24.00		
TESTED, LOW - HIGH	85.00	85.00	85.00	85.00	85.00 86.00		
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	70.00 80.00	80.00	80.00	80.00	80.00		
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	18.22	6.89	12.07	44.40	9.34		
SULFUR DIOXIDE (1,000 TONS)	26.60	10.04	16.26	60.74	18.91		
NITROGEN OXIDES (1,000 TONS)	8.72	3.88	8.40	19.96	8.18		
STACKS: - TOTAL NO.	4	1	2	2	1		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	148.00 275.00	250.00	200.00 300.00	399.00	200.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]	81.00	34.00	59.00	221.00	60.00		
SOLD (1,000 TONS) [11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	200.80	89.60	222.80	370.70	139.50		
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)							
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	168.10	105.60	200.60	541.40	91.50		
REVENUES FROM SALE OF ASH ($1,000)	93.00	32.00	84.00	106.00	31.00		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	93.00	32.00	84.00	106.00	31.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CAPE FEAR R.	BLACK CREEK	NEUSE RIVER	HYCO CREEK	CAPE FEAR R.		
AVERAGE RATE OF WITHDRAWAL (CFS)	400.00	188.00	598.00	900.00	202.00		
AVERAGE RATE OF DISCHARGE (CFS)	400.00	188.00	598.00	900.00	202.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]					1.74		
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	89.00 47.00	82.00 53.00	89.00 49.00	89.00 78.00	86.00 51.00		
AT OUTFALL, SUMMER - WINTER	104.00 58.00	82.00 53.00	103.00 85.00	86.00 75.00	104.00 81.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,110.00	300.00	1,230.00	32.00	3,300.00		
- WINTER	2,190.00	225.00	1,390.00	36.00	4,700.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.30	1.74	4.26	.95	2.90		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.03					
LIME (TONS), COOLING WATER - BOILER MAKEUP							
ALUM (TONS), COOLING WATER - BOILER MAKEUP	33.00		27.50	10.00			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.25		16.00 3.08	12.00 1.00	12.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST			ST	ST		
[19] RECEIVING WATER BODY	CAPE FEAR RIVER	LAKE ROBINSON	NEUSE RIVER	ROXBORO LAKE			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.40	7.00	9.70	8.50	8.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	75.00	40.00	50.00	40.00	65.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING	40,000.00	20,000.00	30,000.00	80,000.00	30,000.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	4 92.60				2 225.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)		1 206.64		2 1,067.85			
COOLING TOWER(S)							
COMBINATIONS [21]							
	2 328.48		3 402.45				
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1923 1958	1960	1951 1962	1965	1954 1955		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00 21.00	22.40	17.00 23.00	25.40 25.50	19.60		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	598.00	180.00	612.00	870.00	270.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	598.00		612.00		271.40		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,985.50		1,976.40		807.20		
COOLING PONDS ($1,000)		4,800.00	1,308.00	5,653.30			
COOLING TOWERS ($1,000)	65.00		36.50				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	73.00	25.00	110.00	75.00	35.00		
COST OF CHEMICAL ADDITIVES ($1,000)		3.00	3.00	1.90	1.90		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	15.50	4.00	14.00	13.00	5.00		
COST OF CHEMICAL ADDITIVES ($1,000)	5.90	2.00	6.00	4.10	1.40		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	CAROLINA POWER & LIGHT CO.	CENTRAL HUDSON GAS & ELECTRIC CO.	CENTRAL ILLINOIS P.S. CO.	CENTRAL ILLINOIS P.S. CO.	CENTRAL ILLINOIS P.S. CO.		
4 NAME OF PLANT	WEATHERSPOON	DANSKAMMER	COFFEEN	GRAND TOWER	HUTSONVILLE		
5 UTILITY-PLANT CODE	07200C-13CC	07700C-0100	078500-01CC	078500-0200	078500-030C		
6 STATE	NORTH CAROLINA	NEW YORK	ILLINOIS	ILLINOIS	ILLINOIS		
7 COUNTY	ROBESON	ORANGE	MONTGOMERY	JACKSON	CRAWFORD		
8 AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	169 03	161 02	075 07	074 07	074 05		
9 PLANT CAPACITY (MW)	165.50	531.91	388.96	232.64	212.50		
10 ANNUAL GENERATION (MWH) [3]	918,500	2,806,700	1,930,700	842,200	1,027,100		
11 PLANT HEAT RATE (BTU/KWH) [3]	11,046	9,784	10,395	11,128	10,771		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	267.50	995.00	1,056.80	417.30	481.10		
13 AVERAGE HEAT CONTENT (BTU/LB)	13,124	11,675	9,478	11,191	11,451		
14 AVERAGE SULFUR CONTENT (%)	1.00	1.83	4.64	2.80	2.25		
15 AVERAGE ASH CONTENT (%)	9.50	15.25	20.63	14.02	10.01		
16 AVERAGE MOISTURE CONTENT (%)	4.70	5.61	14.22	10.39	12.78		
17 OIL: CONSUMPTION (1,000 BARRELS)	8.20		6.00	5.60	7.00		
18 AVERAGE HEAT CONTENT (BTU/GAL)	137,500		136,620	137,271	138,497		
19 AVERAGE SULFUR CONTENT (%)	.08		.41	.28	.23		
20 GAS: CONSUMPTION (1,000 MCF)	2,960.00	4,130.00					
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045	1,021					

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	4	1	9	6		
23 - NO. OF WET BOTTOM			1				
24 - NO. WITH FLY ASH REINJECTION			1				
25 - NO. WITH MECHANICAL PRECIPITATORS	3						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		4					
27 - NO. WITH COMBINATION PRECIPITATORS [4]							
28 - NO. WITH DESULFURIZATION SYSTEMS							
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	15.00	16.00	25.00 30.00	22.00 25.00		
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00						
31 TESTED, LOW - HIGH							
32 ESTIMATED, LOW - HIGH	80.00						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		98.00					
34 TESTED, LOW - HIGH		98.00 98.70					
35 EST., LOW - HIGH		98.00					
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37 TESTED, LOW - HIGH							
38 ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	4.32	2.58	21.80	49.23	40.94		
40 SULFUR DIOXIDE (1,000 TONS)	5.24	35.69	96.12	22.91	21.22		
41 NITROGEN OXIDES (1,000 TONS)	3.00	9.76	29.08	3.74	4.35		
42 STACKS: - TOTAL NO.	2	4	1	5	4		
43 - HEIGHT (FEET), LOWEST - HIGHEST [8]	200.00 220.00	240.00	350.00	155.00 361.00	197.00		
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45 TOTAL ASH: COLLECTED (1,000 TONS) [10]	22.00	152.30	136.00	11.20	10.10		
46 SOLD (1,000 TONS) [11]							
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	90.60						
51 ELECTROSTATIC PRECIPITATORS ($1,000)		2,973.00					
52 COMBINATION PRECIPITATORS ($1,000) [4]							
53 DESULFURIZATION SYSTEMS ($1,000)							
54 STACKS ($1,000)	78.40	516.00	246.00	89.00	89.10		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	41.00	80.00					
56 REVENUES FROM SALE OF ASH ($1,000)							
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	41.00	92.00					
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	LUMBER RIVER	HUDSON RIVER	COFFEEN LAKE	MISSISSIPPI RIVER	WABASH RIVER		
62 AVERAGE RATE OF WITHDRAWAL (CFS)	187.00	500.00		336.00	222.00		
63 AVERAGE RATE OF DISCHARGE (CFS)	187.00	500.00		336.00	222.00		
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]		4.30		2.89	1.91		
65 PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC		AUG JAN	JUL JAN		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	72.00 35.00	77.00 44.00	84.00 41.00	83.00 53.00	87.00 43.00		
67 AT OUTFALL, SUMMER - WINTER	80.00 42.00	92.00 59.00	100.00 73.00	98.00 80.00	104.00 71.00		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	830.00			146,000.00	6,000.00		
69 - WINTER	625.00			93,500.00	11,900.00		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	H	H	H	H		
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.52	.60		.75	1.20		
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		47.25	235.76	48.70	.68		
73 LIME (TONS), COOLING WATER - BOILER MAKEUP			41.08	48.50	13.60		
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP		15.00	8.65	48.00	.15		
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			48.00	.20	25.00		
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES YES	YES	YES		
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]		OT	OT	SW	OT		
78 RECEIVING WATER BODY		HUDSON RIVER	COFFEEN LAKE	MISSISSIPPI RIVER	WABASH RIVER		
79 POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING	7.50	7.00	7.50	9.80 8.50	10.30 7.50		
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	50.00		10.00	39.00	100.00 124.00		
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				11,500.00	146.40		
82 - ASH SETTLING	10,000.00	243.00	76,000.00	33,000.00	193,347.00		

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		4 531.91		4 232.60	4 212.50		
84 ONCE THROUGH COOLING (SALINE)							
85 COOLING POND(S)			1 388.96				
86 COOLING TOWER(S)							
87 COMBINATIONS [21]	3 165.50						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1952	1951 1967	1965	1924 1958	1940 1954		
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00 16.70	14.03 14.99	19.00	8.60 15.15	16.40 20.70		
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	269.00	686.00	325.00	511.00	400.00		
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	297.90	686.00		492.00	400.00		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	1,050.30	3,603.00		1,705.00	278.10		
93 COOLING PONDS ($1,000)	475.50		1,790.00				
94 COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	46.00	7.50	8.90	62.40	24.60		
96 COST OF CHEMICAL ADDITIVES ($1,000)	8.60	11.60	4.00	4.20	4.50		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	7.00	200.00	54.20	22.30	52.50		
98 COST OF CHEMICAL ADDITIVES ($1,000)	1.30	15.00	21.00	8.20	5.10		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	CENTRAL ILLINOIS P.S. CO.		CENTRAL ILLINOIS LIGHT CO.		CENTRAL ILLINOIS LIGHT CO.		CENTRAL ILLINOIS LIGHT CO.		CENTRAL LOUISIANA ELECTRIC CO.		1
2												2
3												3
4	NAME OF PLANT	MEREDOSIA		EDWARDS		KEYSTONE		WALLACE		COUGHLIN		4
5	UTILITY-PLANT CODE	07850C-C400		079000-0100		079000-020C		0790CC-0400		0800C0-020C		5
6	STATE	ILLINOIS		ILLINOIS		ILLINOIS		ILLINOIS		LOUISIANA		6
7	COUNTY	MORGAN		PEORIA		PEORIA		TAZEWELL		EVANGELINE		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	075	07	065	07	065	07	065	07	106	08	8
9	PLANT CAPACITY (MW)		354.36		416.00		54.38		349.40		483.28	9
10	ANNUAL GENERATION (MWH) [3]		1,800,300		2,148,500		155,941		1,039,100		1,892,003	10
11	PLANT HEAT RATE (BTU/KWH) [3]		9,877		9,702		13,872		11,949		10,879	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		805.50		983.10		167.83		519.57			12
13	AVERAGE HEAT CONTENT (BTU/LB)		10,976		10,581		10,834		10,676			13
14	AVERAGE SULFUR CONTENT (%)		3.05		2.93		2.64		2.91			14
15	AVERAGE ASH CONTENT (%)		10.22		9.92		7.84		7.68			15
16	AVERAGE MOISTURE CONTENT (%)		15.22		17.61		16.65		17.25			16
17	OIL: CONSUMPTION (1,000 BARRELS)		17.80		3.56				.38		.20	17
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,810		137,600				137,600		138,714	18
19	AVERAGE SULFUR CONTENT (%)		.46		.20				.20		.15	19
20	GAS: CONSUMPTION (1,000 MCF)								1,320.66		18,690.40	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)								1,000		1,101	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		5		2		4		10		7	22
23	- NO. OF WET BOTTOM				2							23
24	- NO. WITH FLY ASH REINJECTION											24
25	- NO. WITH MECHANICAL PRECIPITATORS						4		2			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		1		2				4			26
27	- NO. WITH COMBINATION PRECIPITATORS [4]											27
28	- NO. WITH DESULFURIZATION SYSTEMS											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]		25.00		20.00		25.00		20.00	8.00	18.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						60.00		60.00			30
31	TESTED, LOW - HIGH											31
32	ESTIMATED, LOW - HIGH						90.00		86.50			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		97.00	97.00	99.00			95.00	98.00			33
34	TESTED, LOW - HIGH											34
35	EST., LOW - HIGH		90.00	97.00	99.00			95.00	98.00			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH											36
37	TESTED, LOW - HIGH											37
38	ESTIMATED, LOW - HIGH											38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		69.95		1.07		.86		1.48			39
40	SULFUR OIOXIDE (1,000 TONS)		48.16		56.46		8.68		29.64			40
41	NITROGEN OXIDES (1,000 TONS)		7.29		14.75		1.26		4.93		3.64	41
42	STACKS: - TOTAL NO.		5		1		4.		5		7	42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	201.70	300.00		503.00		91.00		195.00	76.50	119.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]											44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]		61.10		78.59		13.14		38.93			45
46	SOLD (1,000 TONS) [11]								10.70			46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)								38.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		687.00		754.18				436.70			51
52	COMBINATION PRECIPITATORS ($1,000) [4]											52
53	DESULFURIZATION SYSTEMS ($1,000)											53
54	STACKS ($1,000)		110.00		721.52		24.00		42.60			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		27.30		51.68		33.50		27.50			55
56	REVENUES FROM SALE OF ASH ($1,000)								15.77			56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		27.30		51.68		33.50		35.00			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)								15.77			60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	ILLINOIS RIVER		ILLINOIS RIVER		ILLINOIS RIVER		ILL. RIVER		BAYOU COCODRIE		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)		280.00		478.00		122.00		605.00		56.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)		280.00		478.00		122.00		605.00		40.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	2.41		4.11		1.05		5.20			16.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG	JAN	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00	46.00	82.00	36.00	85.00	32.00	85.00	32.00	88.00	50.00	66
67	AT OUTFALL, SUMMER - WINTER	104.00	73.00	96.00	58.00	100.00	45.00	100.00	45.00	105.00	55.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		14,626.00		12,300.00		12,300.00		12,300.00		120.00	68
69	- WINTER		16,779.00		14,740.00		14,740.00		14,740.00		100.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H		H						C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.06	.90				.97		.07	4.25	.15	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		31.99		31.08				.04		31.50	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		30.80		19.78		72.38		32.18			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	11.20	1.10		.76		.87		4.68	14.00		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	67.00		35.00	2.99	7.00		72.00	1.00	3.15		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]		YES	NO	YES		YES	NO	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	SW		ST		ST		PS		OT		77
78	RECEIVING WATER BODY [19]	ILLINOIS RIVER								BAYOU COCODRIE		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.30	7.80	10.00	9.20	11.00	8.40	10.00	8.90			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		400.00		518.00	5.00	500.00	550.00	579.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		12,000.00		1,250.00		103.00		191.92			81
82	- ASH SETTLING		32,000.00		81,744.38		44.91		97,719.55			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)	3	354.40	2	416.00	4	54.35	7	349.30	4	49.90	83
84	ONCE THROUGH COOLING (SALINE)											84
85	COOLING POND(S)									3	433.20	85
86	COOLING TOWER(S)											86
87	COMBINATIONS [21]											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948	1960	1960	1968	1918	1956	1925	1958	1948	1966	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	9.50	16.00		20.00		15.00		18.00	10.00	22.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		605.00		460.82		155.74		641.65		562.10	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		605.00		467.60		155.70		730.35		126.90	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		313.50		2,800.00		640.00		2,355.00			92
93	COOLING PONDS ($1,000)										500.00	93
94	COOLING TOWERS ($1,000)											94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		18.80		5.00		1.20		8.00			95
96	COST OF CHEMICAL ADDITIVES ($1,000)		7.60		3.76		1.23		7.92		5.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		44.60		48.37		32.68		.30			97
98	COST OF CHEMICAL ADDITIVES ($1,000)		12.10		9.07		9.13		1.06		9.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CENTRAL LOUISIANA ELECTRIC CO.	CENTRAL MAINE PWR CO.	CENTRAL MAINE PWR CO.	CENTRAL OPERATING CO.	CENTRAL P&L CO.	
NAME OF PLANT	TECHE	MASON	WYMAN	SPORN	BATES	
UTILITY-PLANT CODE	C8C000-1CC0	C805C0-16CC	08050C-27C0	0810C0-0100	08200C-02C0	
STATE	LOUISIANA	MAINE	MAINE	WEST VIRGINIA	TEXAS	
COUNTY	ST. MARY	LINCOLN	CUMBERLAND	MASON	HIDALGO	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	106 C8	107 01	110 01	103 05	213 13	
PLANT CAPACITY (MW)	79.40	147.00	214.00	1,060.00	188.70	
ANNUAL GENERATION (MWH) [3]	462,876	772,400	1,206,900	6,480,600	1,002,000	
PLANT HEAT RATE (BTU/KWH) [3]	11,433	13,237	10,419	9,167	10,960	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)				2,650.60		
AVERAGE HEAT CONTENT (BTU/LB)				11,196		
AVERAGE SULFUR CONTENT (%)				2.65		
AVERAGE ASH CONTENT (%)				15.75		
AVERAGE MOISTURE CONTENT (%)				6.61		
OIL: CONSUMPTION (1,000 BARRELS)		1,625.00	2,017.00			
AVERAGE HEAT CONTENT (BTU/GAL)		149,826	148,400			
AVERAGE SULFUR CONTENT (%)		1.95	1.93			
GAS: CONSUMPTION (1,000 MCF)	5,023.49				10,641.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,053				1,024	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2		7		3		5		2	
- NO. OF WET BOTTOM			3							
- NO. WITH FLY ASH REINJECTION										
- NO. WITH MECHANICAL PRECIPITATORS			5				4			
- NO. WITH ELECTROSTATIC PRECIPITATORS							1			
- NO. WITH COMBINATION PRECIPITATORS [4]			2							
- NO. WITH DESULFURIZATION SYSTEMS										
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	8.00 18.00		18.00		10.00 12.00		20.00		5.00 7.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			86.00		85.00		85.00			
TESTED, LOW - HIGH										
ESTIMATED, LOW - HIGH			85.00		85.00		85.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			95.00				95.00			
TESTED, LOW - HIGH							75.50			
EST., LOW - HIGH			96.00							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH										
TESTED, LOW - HIGH										
ESTIMATED, LOW - HIGH										

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)			.03		.05		67.99			
SULFUR DIOXIDE (1,000 TONS)			10.63		13.06		137.67			
NITROGEN OXIDES (1,000 TONS)		.96	3.58		4.45		23.86		2.08	
STACKS: - TOTAL NO.		2	7		3.		2		2	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	76.60 105.20	126.00	149.00	166.00	194.50	600.00	601.50		149.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]					.10					
TOTAL ASH: COLLECTED (1,000 TONS) [10]			.17		.20		413.70			
SOLD (1,000 TONS) [11]					.02		.20			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)										
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]										
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)			79.90		180.80					
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			187.00							
ELECTROSTATIC PRECIPITATORS ($1,000)										
COMBINATION PRECIPITATORS ($1,000) [4]			237.90		390.50		1,160.00		137.20	
DESULFURIZATION SYSTEMS ($1,000)							366.00			
STACKS ($1,000)										
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)										
REVENUES FROM SALE OF ASH ($1,000)										
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)										
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							366.00			
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]							366.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)										

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CHARENTON CANAL	SHEEPSCOT BAY	CASCO BAY	OHIO RIVER	IRRIGATION DIST.	
AVERAGE RATE OF WITHDRAWAL (CFS)	75.00	168.60	140.10	1,500.00	4.06	
AVERAGE RATE OF DISCHARGE (CFS)	75.00	168.50	140.00	1,500.00	1.22	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.65	1.45 .10	1.20 .10	12.90	2.84	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00 55.00	68.00 50.00	69.00 45.00	85.00 49.00		
AT OUTFALL, SUMMER - WINTER	103.00 82.00	92.00 74.00	105.00 84.00	96.00 60.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER				14,000.00		
- WINTER				14,000.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	H	H			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	2.10	.95	.16	.08	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	4.50	6.00			14.61	
LIME (TONS), COOLING WATER - BOILER MAKEUP				13.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP				47.00 1.00	14.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES YES	YES YES	NO YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	ST	ST	ST	ST	
RECEIVING WATER BODY [19]	CHARENTON CANAL	SHEEPSCOT BAY	CASCO BAY			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		65.00	6.80	4.20		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		179.00	240.00	161.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING				76,600.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 79.40			5 1,105.60		
ONCE THROUGH COOLING (SALINE)		5 139.00	3 209.18			
COOLING POND(S)					2 188.70	
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1956	1942 1955	1957 1965	1950 1960	1958 1960	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00 20.00	13.00 24.00	15.50 20.00	12.20 12.60	16.40 16.90	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	104.60	262.10	251.60	1,561.60	268.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	104.60	262.10	251.60	1,607.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		1,362.50	1,411.20			
COOLING PONDS ($1,000)					1,794.00	
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)				89.70	17.90	
COST OF CHEMICAL ADDITIVES ($1,000)		3.60	4.70	3.10	19.60	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)				11.50	7.80	
COST OF CHEMICAL ADDITIVES ($1,000)	4.00	7.70	10.50	8.30	4.43	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL P&L CO.	1
2							2
3							3
4	NAME OF PLANT	LAREDO	HILL	NUECES BAY	LA PALMA	VICTORIA	4
5	UTILITY-PLANT CODE	082000-C3CC	082CCC-0400	082CCC-05CC	082000-0600	082000-07CC	5
6	STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS	6
7	COUNTY	WEBB	NUECES	NUECES	CAMERON	VICTORIA	7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	213 13	214 12	214 12	214 13	213 12	8
9	PLANT CAPACITY (MW)	72.00	574.20	244.50	67.00	553.50	9
10	ANNUAL GENERATION (MWH) [3]	388,200	1,961,600	1,207,000	172,300	2,798,600	10
11	PLANT HEAT RATE (BTU/KWH) [3]	12,545	10,764	10,294	14,642	10,427	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)								12
13	AVERAGE HEAT CONTENT (BTU/LB)								13
14	AVERAGE SULFUR CONTENT (%)								14
15	AVERAGE ASH CONTENT (%)								15
16	AVERAGE MOISTURE CONTENT (%)								16
17	OIL: CONSUMPTION (1,000 BARRELS)								17
18	AVERAGE HEAT CONTENT (BTU/GAL)								18
19	AVERAGE SULFUR CONTENT (%)								19
20	GAS: CONSUMPTION (1,000 MCF)	4,199.00	20,601.00	12,073.00	2,482.00	28,029.00			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,159	1,025	1,029	1,007	1,041			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	4	4	6	4			22
23	- NO. OF WET BOTTOM								23
24	- NO. WITH FLY ASH REINJECTION								24
25	- NO. WITH MECHANICAL PRECIPITATORS								25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS								26
27	- NO. WITH COMBINATION PRECIPITATORS [4]								27
28	- NO. WITH DESULFURIZATION SYSTEMS								28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	8.00	5.00 7.00	7.00 15.00	15.00	5.00 8.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH								30
31	TESTED, LOW - HIGH								31
32	ESTIMATED, LOW - HIGH								32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH								33
34	TESTED, LOW - HIGH								34
35	EST., LOW - HIGH								35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								36
37	TESTED, LOW - HIGH								37
38	ESTIMATED, LOW - HIGH								38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)								39
40	SULFUR DIOXIDE (1,000 TONS)								40
41	NITROGEN OXIDES (1,000 TONS)	.82	4.02	2.35	.48	5.47			41
42	STACKS: - TOTAL NO.	2	5	3.	4	4			42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	110.00	149.00	136.00 149.00	85.00 125.00	149.00			43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]								44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]								45
46	SOLD (1,000 TONS) [11]								46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]								48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)								50
51	ELECTROSTATIC PRECIPITATORS ($1,000)								51
52	COMBINATION PRECIPITATORS ($1,000) [4]								52
53	DESULFURIZATION SYSTEMS ($1,000)								53
54	STACKS ($1,000)								54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	20.70	330.60	123.00		188.00			55
56	REVENUES FROM SALE OF ASH ($1,000)								56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]								59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)								60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	RIO GRANDE RIVER	CITY WATER	SHIP CHANNEL	WATER DISTRICT	GUADALUPE RIVER			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1.68	5.71	240.00	.92	174.10			62
63	AVERAGE RATE OF DISCHARGE (CFS)	.44	1.69	240.00	.28	168.80			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.24	4.02	2.06	.64	5.30			64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]			AUG. NOV		AUG NOV			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			89.00 73.00					66
67	AT OUTFALL, SUMMER - WINTER			104.00 85.00					67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER								68
69	- WINTER					708.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]					1,225.00			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	1.40	.20	.04	.60			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.20	71.40	15.06	.05	53.47			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP								73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP								74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	4.00	12.00	193.00	.50	18.00			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES YES	YES YES	YES YES			76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	PS	PS			77
78	RECEIVING WATER BODY [19]								78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING								79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING								80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN								81
82	- ASH SETTLING								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)								83
84	ONCE THROUGH COOLING (SALINE)			4 244.50					84
85	COOLING POND(S)								85
86	COOLING TOWER(S)	2 72.00	4 574.20		5 67.00	2 298.50			86
87	COMBINATIONS [21]					2 255.00			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1955	1954 1969	1942 1965	1926 1949	1952 1968			88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.50	16.40 22.20	13.30 17.70	11.50 11.90	13.90 22.60			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	120.00	689.00	378.20	166.80	622.70			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			378.20		288.40			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			1,397.00		383.00			92
93	COOLING PONDS ($1,000)								93
94	COOLING TOWERS ($1,000)	759.00	3,625.00			2,247.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	37.20	219.10	14.40	14.40	25.20			95
96	COST OF CHEMICAL ADDITIVES ($1,000)	8.70	7.10	19.80	4.30	59.60			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	13.30	13.70	12.40	11.80	12.80			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	2.00	7.40	5.20	.10	9.10			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CENTRAL TELE & UTIL. CORP - W	CENTRAL TELE & UTIL. CORP - W	CENTRAL TELE & UTIL. CORP - W	CENTRAL TELE & UTIL. CORP. - SO.	CENTRAL TELE & UTIL. CORP. - SO.	
NAME OF PLANT	PWR DIV.	PWR DIV.	PWR DIV.	COLO. PWR. DIV.	COLO. PWR. DIV.	
UTILITY-PLANT CODE	CIMARRON RIVER	LARGE	MULLERGREN	PUEBLO	CLARK	
STATE	082500-0100	082500-0300	082500-0600	0825C0-1000	0825C0-1200	
COUNTY	KANSAS	KANSAS	KANSAS	COLORADO	COLORADO	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	SEWARD	FORD	BARTON	PUEBLO	FREMONT	
PLANT CAPACITY (MW)	100 11	100 11	097 11	038 11	038 11	
ANNUAL GENERATION (MWH)[3]	50.00	179.50	119.10	30.00	38.50	
PLANT HEAT RATE (BTU/KWH)[3]	345,600	521,800	498,700	146,900	284,000	
	12,128	11,466	11,013	16,650	13,273	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)				1.10	125.00	
AVERAGE HEAT CONTENT (BTU/LB)				10,000	10,278	
AVERAGE SULFUR CONTENT (%)				.70	.70	
AVERAGE ASH CONTENT (%)				15.00	15.09	
AVERAGE MOISTURE CONTENT (%)				11.00	11.19	
OIL: CONSUMPTION (1,000 BARRELS)		7.59	11.10			
AVERAGE HEAT CONTENT (BTU/GAL)		150,000	150,000			
AVERAGE SULFUR CONTENT (%)		1.20	1.50			
GAS: CONSUMPTION (1,000 MCF)	3,757.00	6,231.00	5,627.00	2,309.20	1,022.80	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,014	953	964	844	982	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	5	3	5	2	
- NO. OF WET BOTTOM					2	
- NO. WITH FLY ASH REINJECTION				5	2	
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	5.00	8.00 15.00	12.00 15.00	12.50 30.00	24.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				93.00	88.00 93.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH				93.00	93.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)				.01	2.17	
SULFUR DIOXIDE (1,000 TONS)		.03	.06	.01	1.72	
NITROGEN OXIDES (1,000 TONS)	.73	1.23	1.12	.46	1.14	
STACKS: - TOTAL NO.	1	3	4	2	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	90.50	80.00 152.00	132.00 146.00	150.00 270.00	150.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]				.10	18.10	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)				12.00	46.00	
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	17.00	58.00	69.00	66.00	66.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				.80	12.60	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					12.60	
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

					ARKANSAS RIVER		ARKANSAS RIVER	
COOLING WATER: SOURCE	WELLS	WELLS	WELLS					
AVERAGE RATE OF WITHDRAWAL (CFS)	1.35	7.31	1.68		45.00		60.00	
AVERAGE RATE OF DISCHARGE (CFS)	.45	2.43	.56		44.00		59.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.90	4.88	1.12		1.00		1.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL JAN	JUL JAN	JUL JAN	AUG	DEC	AUG	DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER				73.00	44.00	70.00	39.00	
AT OUTFALL, SUMMER - WINTER	78.00 68.00	82.00 70.00	80.00 68.00	72.00	45.00	71.00	40.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					800.00		800.00	
- WINTER					500.00		500.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	C		C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	6.20	8.40 .04	10.05 .02		.05		.15	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	10.80	2.64	9.34		.05		.09	
LIME (TONS), COOLING WATER - BOILER MAKEUP			353.25					
ALUM (TONS), COOLING WATER - BOILER MAKEUP			11.28					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.24	.87	2.38	.25		.50		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES		YES	NO	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	PS		PS		
RECEIVING WATER BODY[19]								
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING								
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING								
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING								

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2	12.00							
ONCE THROUGH COOLING (SALINE)										
COOLING POND(S)										
COOLING TOWER(S)	1	50.00	2	167.50	3	119.10				
COMBINATIONS[21]							3	30.00	2	38.50
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1963	1932	1969	1953	1963	1922	1949	1955	1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.60	10.30	20.10	10.30	14.50	9.00	10.00	13.00	16.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	93.60		242.34		214.58		90.00		72.80	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			13.40				90.00		72.80	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		8.00		200.00	100.00	
COOLING PONDS ($1,000)				50.00	30.00	
COOLING TOWERS ($1,000)	299.00	970.00	714.00	298.00	73.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	18.00	18.00	14.00	25.00	36.50	
COST OF CHEMICAL ADDITIVES ($1,000)	7.00	11.00	17.00	.80	.16	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	8.00	7.00	10.00	8.00	8.00	
COST OF CHEMICAL ADDITIVES ($1,000)	3.00	2.00	2.00	.80	1.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CITY OF AUSTIN E DEPT.	CITY OF AUSTIN E DEPT.	CITY OF LAFAYETTE UTIL. SYSTEM	CITY OF LAFAYETTE UTIL. SYSTEM	CITY P & L DEPT. INDEPENDENCE MO.	
NAME OF PLANT	HOLLY ST.	SEAHOLM	BONIN	RODEMACHER	BLUE VALLEY	
UTILITY-PLANT CODE	C89500-C1C0	C89500-02C0	094000-01CC	0940CC-03C0	099500-C1C0	
STATE	TEXAS	TEXAS	LOUISIANA	LOUISIANA	MISSOURI	
COUNTY	TRAVIS	TRAVIS	LAFAYETTE	LAFAYETTE	JACKSON	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	212 12	212 12	106 08	106 08	094 10	
PLANT CAPACITY (MW)	416.00	125.00	53.25	45.65	115.00	
ANNUAL GENERATION (MWH) [3]	1,528,600	431,800	258,400	105,400	344,674	
PLANT HEAT RATE (BTU/KWH) [3]	10,313	13,818			11,378	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					19.88		
AVERAGE HEAT CONTENT (BTU/LB)					12,133		
AVERAGE SULFUR CONTENT (%)					3.06		
AVERAGE ASH CONTENT (%)					10.14		
AVERAGE MOISTURE CONTENT (%)					6.64		
OIL: CONSUMPTION (1,000 BARRELS)					66.60		
AVERAGE HEAT CONTENT (BTU/GAL)					140,000		
AVERAGE SULFUR CONTENT (%)					.60		
GAS: CONSUMPTION (1,000 MCF)	15,919.80	5,875.59	2,607.07	1,326.58	4,168.08		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,019	1,020	1,035	1,036	964		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	5	1	4	3		
- NO. OF WET BOTTOM					3		
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS					3		
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	10.00	10.00	7.00	7.00 15.00	3.50 4.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					85.00 90.30		
TESTED, LOW - HIGH					85.00 90.30		
ESTIMATED, LOW - HIGH					85.00 90.30		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)					.16		
SULFUR DIOXIDE (1,000 TONS)					1.33		
NITROGEN OXIDES (1,000 TONS)	3.10	1.15	.51	.26	1.26		
STACKS: - TOTAL NO.	3	5	1.	3	3		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	154.00 156.00	80.00 120.00	88.00	62.00 69.20	152.50 250.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]							
SOLD (1,000 TONS) [11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					58.80		
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)			43.00	8.30	99.70		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					5.00		
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]							
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	COLORADO RIVER	COLORADO RIVER	DEEP WELL	DEEP WELL	WELL		
AVERAGE RATE OF WITHDRAWAL (CFS)	433.00	221.00	72.00	42.13	41.00		
AVERAGE RATE OF DISCHARGE (CFS)	433.00	221.00	22.20	12.64			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.72	1.90	49.80	29.49	41.00		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG OEC	AUG OEC					
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 60.00	77.00 52.00					
AT OUTFALL, SUMMER - WINTER	96.00 73.00	93.00 60.00					
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	550.00	300.00					
- WINTER	380.00	160.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H					
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.21	1.13	.08	.02	6.50 .03		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP				.18	15.50		
LIME (TONS), COOLING WATER - BOILER MAKEUP					221.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP					71.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			3.00	2.00	12.30		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES YES	YES YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	PS	PS	PS	ST		
RECEIVING WATER BODY [19]							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					8.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	3 416.00	5 125.00					
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)			1 53.25	4 45.65	3 115.00		
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960 1966	1951 1958	1965	1951 1960	1958 1965		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00	12.00	20.00	20.00	15.00 17.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	618.00	297.00	87.00	104.40	199.30		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	618.00	297.00					

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)							
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)			185.41	257.53	325.28		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			2.00	6.00			
COST OF CHEMICAL ADDITIVES ($1,000)			18.00	8.40	15.70		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			2.00	4.00			
COST OF CHEMICAL ADDITIVES ($1,000)	1.30	3.70	.30	.20	1.99		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CITY P. S. BD. SAN ANTONIO	CITY P. S. BD. SAN ANTONIO	CITY P. S. BD. SAN ANTONIO	CITY P. S. BD. SAN ANTONIO	CITY UTIL. OF SPRINGFIELD		
NAME OF PLANT	LEON CREEK	MISSION RD	BRAUNIG	TUTTLE	JAMES RIVER		
UTILITY-PLANT CODE	100000-0100	100000-0200	100000-0300	100000-0400	101000-0100		
STATE	TEXAS	TEXAS	TEXAS	TEXAS	MISSOURI		
COUNTY	BEXAR	BEXAR	BEXAR	BEXAR	GREENE		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	217 12	217 12	217 12	217 12	139 11		
PLANT CAPACITY (MW)	263.64	163.64	476.94	493.95	148.00		
ANNUAL GENERATION (MWH)[3]	443,600	362,800	2,226,300	1,491,700	738,600		
PLANT HEAT RATE (BTU/KWH)[3]	10,984	11,197	9,767	10,370	11,154		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						22.10	
AVERAGE HEAT CONTENT (BTU/LB)						12,317	
AVERAGE SULFUR CONTENT (%)						4.11	
AVERAGE ASH CONTENT (%)						13.63	
AVERAGE MOISTURE CONTENT (%)						4.05	
OIL: CONSUMPTION (1,000 BARRELS)	2.33	8.94	5.41	5.00			
AVERAGE HEAT CONTENT (BTU/GAL)	145,270	137,000	136,840	145,270			
AVERAGE SULFUR CONTENT (%)	.10	.10	.08	.10			
GAS: CONSUMPTION (1,000 MCF)	4,565.80	3,836.70	21,170.10	14,549.80	7,319.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,034	1,035	1,041	1,033	997		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	3	2	4	4		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS					4		
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	10.00	10.00	10.00	20.00	25.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					87.00	88.00	
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH					87.00	88.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)						.32	
SULFUR DIOXIDE (1,000 TONS)						1.74	
NITROGEN OXIDES (1,000 TONS)	.90	.77	4.14	2.85		1.62	
STACKS: - TOTAL NO.	3	2	2.	5		3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	100.00 150.00	150.00	174.00	143.50 150.00		200.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]						2.80	
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	69.20	35.90	67.00			181.80	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						2.70	
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						2.70	
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WELLS	WELLS	SEWAGE EFFLUENT	WELL		LAKE SPRINGFIELD	
AVERAGE RATE OF WITHDRAWAL (CFS)	1.70	1.40	8.20	5.70		88.00	
AVERAGE RATE OF DISCHARGE (CFS)	.50	.40	.80	.50		88.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.20	1.00	3.40	5.20			
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG OCT	AUG OCT	AUG OCT			JUL OCT	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		90.00 64.00	90.00 64.00			92.00 54.00	
AT OUTFALL, SUMMER - WINTER	105.00 95.00	105.00 95.00	94.00 66.00	110.00 95.00		101.00 92.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		30.30	314.00			27.50	
- WINTER		24.70	282.00			66.90	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C		H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.8.43 .11	7.59 .09	.32	24.50 .25		.04	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	19.20	24.58	32.90	52.97		9.60	
LIME (TONS), COOLING WATER - BOILER MAKEUP	3.23		5.90				
ALUM (TONS), COOLING WATER - BOILER MAKEUP			.94				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.95	2.52	72.75 .52	7.85		3.18	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	NO YES	YES YES		YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	OT	ST		ST	
RECEIVING WATER BODY			PLT. COOLING POND				
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING		10.00	10.00	10.00			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		20.00	100.00	100.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		100.00	305.20	30.00			
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)			2 476.94				
COOLING TOWER(S)	4 263.64	3 163.64		4 493.96			
COMBINATIONS[21]					4 148.00		
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1959	1945 1958	1963	1954 1963	1957 1964		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00 17.40	13.00 18.00	16.00	17.50 18.00	24.90 28.50		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	391.90	248.90	890.00	656.10	290.20		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)					289.70		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)							
COOLING PONDS ($1,000)			4,717.00				
COOLING TOWERS ($1,000)	1,113.50	925.00		1,891.00	900.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	34.90	18.50	74.80	39.30	26.00		
COST OF CHEMICAL ADDITIVES ($1,000)	10.90	9.70	7.90	35.80	.30		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.60	15.30	28.10	21.10	8.40		
COST OF CHEMICAL ADDITIVES ($1,000)	2.60	2.30	11.70	6.60	1.80		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CLEVELAND ELEC. ILLUM. CO	CLEVELAND ELEC. ILLUM. CO	CLEVELAND ELEC. ILLUM. CO	CLEVELAND ELEC. ILLUM. CO	COLO SPRINGS P&L, DEPT.		
NAME OF PLANT	ASHTABULA	AVON LAKE	EAST LAKE	LAKE SHORE	ORAKE		
UTILITY-PLANT CODE	10400C-C1CC	10400C-0200	104000-C300	1C400C-04C0	1C8C00-01C0		
STATE	OHIO	OHIO	OHIO	OHIO	COLORADO		
COUNTY	ASHTABULA	LORAIN	LAKE	CUYAHOGA	EL PASO		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	178 04	174 04	174 04	174 04	038 11		
PLANT CAPACITY (MW)	456.00	595.00	577.00	514.00	15C.C0		
ANNUAL GENERATION (MWH) [3]	2,099,8C0	3,064,400	4,296,2C0	2,898,200	673,500		
PLANT HEAT RATE (BTU/KWH) [3]	11,336	10,900	9,8C8	10,883	11,30C		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,C17.C0	1,431.10	1,811.10	1,334.90	38.8C		
AVERAGE HEAT CONTENT (BTU/LB)	11,686	11,711	11,628	11,796	9,95C		
AVERAGE SULFUR CONTENT (%)	3.51	2.79	2.91	3.38	.40		
AVERAGE ASH CONTENT (%)	14.79	12.71	13.26	12.50	12.22		
AVERAGE MOISTURE CONTENT (%)	5.29	6.77	6.99	6.42	13.03		
OIL: CONSUMPTION (1,000 BARRELS)	4.23	7.92	3.40	7.69			
AVERAGE HEAT CONTENT (BTU/GAL)	136,704	137,390	137,4C6	137,161			
AVERAGE SULFUR CONTENT (%)	.10	.10	.10	.10			
GAS: CONSUMPTION (1,000 MCF)					6,577.8C		
AVERAGE HEAT CONTENT (BTU/CU.FT.)					98C		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	7		11		4		5		5			
- NO. OF WET BOTTOM							4		2			
- NO. WITH FLY ASH REINJECTION												
- NO. WITH MECHANICAL PRECIPITATORS									1			
- NO. WITH ELECTROSTATIC PRECIPITATORS	7		11				5					
- NO. WITH COMBINATION PRECIPITATORS [4]					4				1			
- NO. WITH DESULFURIZATION SYSTEMS												
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	24.00	79.00	22.00	55.00	22.00	20.00	23.0C		15.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH									85.0C			
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH									84.C0			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	90.00	95.60	94.00	97.00	98.2C	90.00	99.40		99.50			
TESTED, LOW - HIGH		93.20	82.30	97.00	95.00 99.50	59.80	98.80		93.30			
EST., LOW - HIGH	75.00	96.00	75.00	97.00	96.00	81.00	99.0C		99.C0			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH												

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	15.16		13.06		8.17		8.85		.11			
SULFUR DIOXIDE (1,000 TONS)	69.97		78.26		1C3.30		88.44		.30			
NITROGEN OXIDES (1,000 TONS)	9.16		12.90		16.31		15.87		1.94			
STACKS: - TOTAL NO.	2		4		4		5		5			
- HEIGHT (FEET), LOWEST - HIGHEST [8]	274.00	373.00	277.00	392.00	3C0.0C	268.00	320.00	56.00	200.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]												
TOTAL ASH: COLLECTED (1,000 TONS) [10]	132.60		209.50		334.90		114.90		4.7C			
SOLD (1,000 TONS) [11]					6.50							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)												
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]												
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)												
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)									27.20			
ELECTROSTATIC PRECIPITATORS ($1,000)	658.00		1,604.00				1,264.0C					
COMBINATION PRECIPITATORS ($1,000) [4]					2,354.00				266.30			
DESULFURIZATION SYSTEMS ($1,000)												
STACKS ($1,000)	261.00		607.00		1,014.00		481.00		22C.10			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	388.00		627.00		836.00		498.00		1C.C0			
REVENUES FROM SALE OF ASH ($1,000)												
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)												
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)												
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	388.00		627.00		836.00		498.00		10.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)												

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE ERIE		LAKE ERIE		LAKE ERIE		LAKE ERIE		CITY WATER			
AVERAGE RATE OF WITHDRAWAL (CFS)		739.C0		688.00		970.00		876.00		2.10		
AVERAGE RATE OF DISCHARGE (CFS)		739.00		688.00		970.00		876.00		.55		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	6.36		5.92		8.34		7.53			1.55		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC				
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	76.00	32.00	76.00	32.00	76.00	32.CC	76.00	32.00				
AT OUTFALL, SUMMER - WINTER	88.00	46.00	91.00	47.0C	90.00	44.00	93.00	49.0C				
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER												
- WINTER												
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H		C		C		H		C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		6.90		10.50		.60		2.15	1.74	.01		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		77.15		66.77		69.25		96.36		.C7		
LIME (TONS), COOLING WATER - BOILER MAKEUP		15.28		21.88		59.1C		43.75				
ALUM (TONS), COOLING WATER - BOILER MAKEUP		11.63		7.5C		14.45		5.05				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	35.00		37.50		64.80		140.45		2.54			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	ST		RS		ST		RS		PS			
[19] RECEIVING WATER BODY	LAKE ERIE				LAKE ERIE							
RONO DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING		7.80		8.00		7.70		7.5C		11.70		
SUSPENDED SOLIDS (RRM), BOILER BLOWDOWN - ASH SETTLING		125.00		100.C0		125.00		750.00				
VOLUME (1,C00 CUFT/YR), BOILER BLOWDOWN												
- ASH SETTLING	122,000.00		247,000.00		47,700.00		273,800.00					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5	456.00	8	595.00	4	577.00	5	514.00				
ONCE THROUGH COOLING (SALINE)												
COOLING RONO(S)									4	16.00		
COOLING TOWER(S)									3	135.C0		
COMBINATIONS [21]												
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1942	1958	1926	1959	1953	1956	1940	1960	1946	1968		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]		12.00	8.00	15.0C	11.00	12.00	9.00	17.00	14.00	18.C0		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		1,188.00		1,603.10		97C.00		876.00		28C.40		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		1,188.00		1,604.00		970.00		876.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,224.00	3,865.00	3,444.00	1,831.00		
COOLING RONOS ($1,C0C)					19.C0	
COOLING TOWERS ($1,000)					1,333.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	70.00	114.00	1C3.00	163.00	.53	
COST OF CHEMICAL ADDITIVES ($1,000)	1.00	2.00	4.00	6.00	6.26	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	156.00	300.00	199.00	332.00		
COST OF CHEMICAL ADDITIVES ($1,000)	14.00	21.00	15.00	20.00	.43	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	COLO SPRINGS P&L DEPT.	COLORADO - UTE E ASSN. INC.	COLORADO - UTE E ASSN. INC.	COLUMBUS & S OHIO ELECTRIC CO.	COLUMBUS & S OHIO ELECTRIC CO.	
NAME OF PLANT	BIRDSALL	HAYDEN	NUCLA	CONESVILLE	PICWAY	
UTILITY-PLANT CODE	108000-C2C0	108500-01C0	108500-C3C0	109500-C200	109500-C5C0	
STATE	COLORADO	COLORADO	COLORADO	OHIO	OHIO	
COUNTY	EL PASO	ROUTT	MONTROSE	COSHOCTON	PICKAWAY	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	038 11	040 14	035 14	183 05	176 05	
PLANT CAPACITY (MW)	62.50	163.20	34.50	433.50	230.75	
ANNUAL GENERATION (MWH) [3]	184,100		106,800	2,718,600	488,107	
PLANT HEAT RATE (BTU/KWH) [3]	12,342			10,509	13,350	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		540.50	65.50	1,275.00	281.00	
AVERAGE HEAT CONTENT (BTU/LB)		10,864	11,994	11,190	11,578	
AVERAGE SULFUR CONTENT (%)		.48	.68	4.60	3.52	
AVERAGE ASH CONTENT (%)		9.41	12.40	14.77	11.48	
AVERAGE MOISTURE CONTENT (%)		10.73	5.88	7.01	7.96	
OIL: CONSUMPTION (1,000 BARRELS)	12.20	.96				
AVERAGE HEAT CONTENT (BTU/GAL)	146,800	130,000				
AVERAGE SULFUR CONTENT (%)	.90	.20				
GAS: CONSUMPTION (1,000 MCF)	2,284.68					
AVERAGE HEAT CONTENT (BTU/CU.FT.)	981					

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	1	3	3	4	
- NO. OF WET BOTTOM				2	3	
- NO. WITH FLY ASH REINJECTION			3			
- NO. WITH MECHANICAL PRECIPITATORS			3	1	1	
- NO. WITH ELECTROSTATIC PRECIPITATORS		1				
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	20.00	26.00	11.00 22.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			86.00	83.00	85.00	
TESTED, LOW - HIGH				63.00		
ESTIMATED, LOW - HIGH			82.00		50.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		98.50				
TESTED, LOW - HIGH		98.20				
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		.78	2.03	32.77	17.97	
SULFUR DIOXIDE (1,000 TONS)	.04	5.09	.87	114.95	19.46	
NITROGEN OXIDES (1,000 TONS)	.47	4.87	.49	26.92	3.52	
STACKS: - TOTAL NO.	3	1	3	2	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	142.10	250.00	100.00	450.00	127.50 288.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]		47.50	8.00	185.00	16.00	
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF AC10 COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF AC10 SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			240.00	287.00	180.00	
ELECTROSTATIC PRECIPITATORS ($1,000)		579.00				
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)		215.00	318.00	788.00	165.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		24.30	16.00	121.00	52.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		24.30	16.00	121.00	52.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CITY WATER	YAMPA RIVER	SAN MIGUEL RIVER	MUSKINGUM RIVER	SCIOTO RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	.99	2.10	39.10	395.00	194.00	
AVERAGE RATE OF DISCHARGE (CFS)	.25	.50	39.10	354.96	193.90	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.74	1.60		3.40 .04	1.67 .10	
PEAK LOAD MONTH : SUMMER - WINTER [15]		JUL DEC	JUL DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		62.00 34.00	62.00 34.00	84.00 40.00	84.00 40.00	
AT OUTFALL, SUMMER - WINTER		65.00 50.00	67.00 38.00	107.00 63.00	93.00 47.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		880.00	430.00	16,640.00	2,775.00	
- WINTER		210.00	115.00	3,060.00	1,200.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	O	O	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.93 .01	13.09 .30				
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.07 .08	2.73 12.39	.66	720.00	27.48	
LIME (TONS), COOLING WATER - BOILER MAKEUP		3.06 1.31			29.80	
ALUM (TONS), COOLING WATER - BOILER MAKEUP		6.56 2.79				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	3.12	5.00		72.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	NO YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	ST	ST	ST	ST	
[19] RECEIVING WATER BODY		YAMPA RIVER	SAN MIGUEL RIVER		SCIOTO RIVER	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		8.80	8.50		9.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		250.00	250.00		5.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING				166,000.00	66,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)				3 433.50	5 230.75	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)	3 62.50	1 163.20				
COMBINATIONS [21]			3 34.50			
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1956	1965	1959	1957 1962	1926 1955	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00	19.70	17.30	16.00 21.00	10.00 18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	122.30	186.70	90.00	465.00	475.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			90.00	465.00	386.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			382.00	2,461.00	1,399.00
COOLING PONDS ($1,000)			296.00		
COOLING TOWERS ($1,000)		632.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.40	52.00	26.70	67.30	14.50
COST OF CHEMICAL ADDITIVES ($1,000)	2.70	28.00		6.90	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		35.20	5.90	29.80	11.30
COST OF CHEMICAL ADDITIVES ($1,000)	.60	6.60	1.80	68.40	5.20

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	COLUMBUS & S OHIO ELECTRIC CO.	COLUMBUS & S OHIO ELECTRIC CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	POSTON	WALNUT	STATE LINE	FISK	CALUMET	4
5	UTILITY-PLANT CODE	109500-0600	109500-0700	111000-0100	111500-0100	111500-0200	5
6	STATE	OHIO	OHIO	INDIANA	ILLINOIS	ILLINOIS	6
7	COUNTY	ATHENS	FRANKLIN	LAKE	COOK	COOK	7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	179 05	176 05	067 04	067 04	067 04	8
9	PLANT CAPACITY (MW)	232.00	75.00	972.00	572.00	175.00	9
10	ANNUAL GENERATION (MWH) [3]	1,134,100	114,180	5,583,998	2,521,100	524,368	10
11	PLANT HEAT RATE (BTU/KWH) [3]	12,702	18,864	10,321	13,752	13,026	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	631.00	93.00	2,203.00	1,010.00	231.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,392	11,461	11,184	10,276	10,427	13
14	AVERAGE SULFUR CONTENT (%)	2.04	2.38	3.42	3.50	3.35	14
15	AVERAGE ASH CONTENT (%)	11.14	11.27	11.60	12.36	11.95	15
16	AVERAGE MOISTURE CONTENT (%)	9.02	8.60	10.40	15.31	14.95	16
17	OIL: CONSUMPTION (1,000 BARRELS)						17
18	AVERAGE HEAT CONTENT (BTU/GAL)						18
19	AVERAGE SULFUR CONTENT (%)						19
20	GAS: CONSUMPTION (1,000 MCF)			8,019.00	6,098.30	1,936.40	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,041	1,040	1,040	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	11	5	2	22
23	- NO. OF WET BOTTOM		3	7	4	2	23
24	- NO. WITH FLY ASH REINJECTION				2		24
25	- NO. WITH MECHANICAL PRECIPITATORS	4					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			11	5	2	26
27	- NO. WITH COMBINATION PRECIPITATORS [4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 28.00	20.00 22.00	16.00 25.00	18.00 22.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00					30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH	50.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			90.00 98.00	98.00	95.00	33
34	TESTED, LOW - HIGH			83.50 97.30	96.40 98.70	92.00 99.80	34
35	EST., LOW - HIGH			92.00 98.00	98.00	96.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	29.87	7.62	4.55	1.62	.72	39
40	SULFUR DIOXIDE (1,000 TONS)	25.23	4.34	147.67	69.29	15.17	40
41	NITROGEN OXIDES (1,000 TONS)	5.68	1.18	41.89	15.54	3.84	41
42	STACKS: - TOTAL NO.	2	3	6	5	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	200.00 129.00	130.00	301.00 450.00	292.00 450.00	300.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	64.60	3.50	276.20	129.80	35.70	45
46	SOLD (1,000 TONS) [11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	639.00					50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			4,230.00	3,564.00	502.00	51
52	COMBINATION PRECIPITATORS ($1,000) [4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	120.00	19.00	731.00	487.00	82.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	88.00	13.00	555.00	555.00	171.00	55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	88.00	13.00	555.00	555.00	171.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	WELLS	BIG WALNUT CREEK	LAKE MICHIGAN	CHICAGO CANAL	CALUMET RIVER	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	4.65	48.40	1,262.00	495.00	97.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	.55	48.36	1,262.00	495.00	97.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	4.10	.42 .04	10.85	4.26	.83	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]		JUL DEC	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		84.00 40.00	74.00 51.00	80.00 60.00	86.00 60.00	66
67	AT OUTFALL, SUMMER - WINTER		107.00 70.00	87.00 71.00	95.00 70.00	98.00 74.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		2,800.00		1,605.00	277.00	68
69	- WINTER		1,190.00		1,779.00	949.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	H	C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	21.90	3.00	2.14	.85	.15	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			58.42	62.63	12.06	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	1,187.50	70.10				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	150.25		9.27	6.73	3.52	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	41.15		62.64	130.11	21.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]		ST	PS	PS	PS	77
78	RECEIVING WATER BODY [19]	HOCKING RIVER	BIG WALNUT CREEK				78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	8.60	8.10	9.80 7.30	10.50 7.80	10.80 7.80	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00	3.00	3.00 80.00	3.00 8.00	3.00 20.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			203.00	314.00	58.00	81
82	- ASH SETTLING	30,500.00	13,800.00	87,894.00	36,267.00	13,800.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		3 75.00	4 972.00	3 572.00	3 175.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)	4 232.00					86
87	COMBINATIONS [21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1954	1921 1939	1929 1962	1914 1959	1923 1947	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00 16.00	13.00 22.00	8.50 12.20	10.60 13.90	8.30 11.10	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	436.00	196.00	2,740.00	931.00	534.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		196.00	1,850.00	931.00	534.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		489.00	2,252.00	3,538.00	722.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)	4,159.00					94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	132.00	6.50	76.00	137.00	25.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	46.20		6.00	22.00	5.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.00	7.40	195.00	145.00	49.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	4.32	3.20	13.00	19.00	4.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	COMMONWEALTH EDISON CO.		COMMONWEALTH EDISON CO.		COMMONWEALTH EDISON CO.		COMMONWEALTH EDISON CO.		COMMONWEALTH EDISON CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	CRAWFORD		DIXON		ORESDEN		FORDHAM		JOLIET		4
5	UTILITY-PLANT CODE	5	111500-0300		111500-0400		111500-0500		111500-0700		111500-1000		5
6	STATE	6	ILLINOIS		ILLINOIS		ILLINOIS		ILLINOIS		ILLINOIS		6
7	COUNTY	7	COOK		LEE		GRUNDY		WINNEBAGO		WILL		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	067 07		071 07		067 07		073 07		067 07		8
9	PLANT CAPACITY (MW)	9	702.00		119.00		209.00		75.00		1,862.00		9
10	ANNUAL GENERATION (MWH)[3]	10	3,181,400		596,892		825,500		300,617		8,699,400		10
11	PLANT HEAT RATE (BTU/KWH)[3]	11			11,827		11,957		17,262				11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	1,119.00		270.00				112.00		4,000.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	10,385		10,670				11,278		10,923		13
14	AVERAGE SULFUR CONTENT (%)	14	3.38		2.66				3.32		3.63		14
15	AVERAGE ASH CONTENT (%)	15	11.99		7.86				11.35		12.77		15
16	AVERAGE MOISTURE CONTENT (%)	16	15.07		17.49				9.94		10.59		16
17	OIL: CONSUMPTION (1,000 BARRELS)	17											17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18											18
19	AVERAGE SULFUR CONTENT (%)	19											19
20	GAS: CONSUMPTION (1,000 MCF)	20	9,014.30		1,259.90				2,826.10		3,341.50		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,040		1,037				1,052		1,038		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	8		2				8		9		22
23	- NO. OF WET BOTTOM	23			2						5		23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25							3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	2		2						5		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27											27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	10.00	15.00	20.00	25.00			25.00	28.00	16.00	25.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30								92.00			30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32								93.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	97.40	98.00	92.00	95.00					98.00	99.00	33
34	TESTED, LOW - HIGH	34	98.60	99.30	96.40	99.20						99.10	34
35	EST., LOW - HIGH	35		98.00	93.00	96.00					98.00	99.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	2.28		.71				3.89		13.75		39
40	SULFUR DIOXIDE (1,000 TONS)	40	74.13		14.08				7.29		284.59		40
41	NITROGEN OXIDES (1,000 TONS)	41	11.83		4.30				1.42		60.95		41
42	STACKS: - TOTAL NO.	42	5		2				4		6		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	185.00	378.00	221.00	246.00			222.00	237.00	248.00	550.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	103.20		20.90				12.60		493.60		45
46	SOLD (1,000 TONS)[11]	46											46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COST: MECHANICAL PRECIPITATORS ($1,000)	50								66.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	1,970.00		428.00						6,454.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52											52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	716.00		98.00				110.00		1,387.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	363.00		81.00				83.00		1,053.00		55
56	REVENUES FROM SALE OF ASH ($1,000)	56											56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	363.00		81.00				83.00		1,053.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60											60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	CHICAGO CANAL		ROCK RIVER		ILLINOIS RIVER		ROCK RIVER		DES PLAINES RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	678.00		136.00		178.00		93.00		1,796.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	678.00		136.00		178.00		93.00		1,796.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	5.83		1.17		1.53		.80		15.45		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	79.00	61.00	82.00	43.00	87.00	35.00	79.00	36.00	87.70	65.60	66
67	AT OUTFALL, SUMMER - WINTER	67	92.00	71.00	97.00	67.00	101.00	46.00	96.00	48.00	97.00	75.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		1,605.00		3,546.00		8,896.00		2,046.00		4,984.00	68
69	- WINTER	69		1,779.00		4,400.00		9,884.00		2,822.00		5,049.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	C		H		C		H		C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		.50		.40		.01		.58		2.97	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		67.48		.22		105.37		312.09		213.30	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73				19.00							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74		2.90									74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	180.44		36.50		32.00				658.22		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES		YES		YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS		PS		OT		PS		OT		77
78	RECEIVING WATER BODY[19]	78					ILLINOIS RIVER				DES PLAINES RIVER		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	9.40	7.70	10.80	8.10			11.00	8.10	10.30	7.80	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	3.00	50.00	3.00	2.40			3.00		3.00	20.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81		504.00		260.00				10.00		1,786.00	81
82	- ASH SETTLING	82		10,400.00		9,500.00				15,800.00		30,000.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	3	701.00	2	119.00	1	209.00	6	75.00	8	1,862.00	83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING PONDS	85											85
86	COOLING TOWER(S)	86											86
87	COMBINATIONS[21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1928	1961	1945	1953		1960	1916	1947	1917	1966	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	8.20	13.50	11.80	14.70		18.70		20.30	8.00	10.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		1,255.00		237.00		378.00		196.00		3,301.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		1,255.00		237.00		378.00		205.00		3,145.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	2,650.00		571.00		1,428.00		412.00		5,805.00		92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94											94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	57.00		29.00		13.00		14.00		182.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	27.00		5.00		3.00				130.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	98.00		51.00		157.00		80.00		158.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	22.00		2.00		59.00		41.00		63.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	KINCAID	NORTHWEST	POWERTON	RIDGELAND	SABROOKE	4
5	UTILITY-PLANT CODE	11150C-1100	11150C-1200	11150C-1300	11150C-1400	11150C-1500	5
6	STATE	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	6
7	COUNTY	CHRISTIAN	COOK	TAZEWELL	COOK	WINNEBAGO	7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	075 07	067 04	065 07	067 07	073 07	8
9	PLANT CAPACITY (MW)	1,319.00	224.00	320.00	690.00	146.00	9
10	ANNUAL GENERATION (MWH) [3]	4,767,300	342,344		3,466,900	905,500	10
11	PLANT HEAT RATE (BTU/KWH) [3]		14,950				11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	2,424.00	239.00	794.00	1,273.00	191.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)	9,967	10,607	10,154	10,317	11,306	13
14	AVERAGE SULFUR CONTENT (%)	4.24	3.42	4.10	3.45	3.37	14
15	AVERAGE ASH CONTENT (%)	14.64	11.50	13.29	12.33	11.36	15
16	AVERAGE MOISTURE CONTENT (%)	14.52	14.08	14.72	15.23	10.14	16
17	OIL: CONSUMPTION (1,000 BARRELS)			14.20			17
18	AVERAGE HEAT CONTENT (BTU/GAL)			138,581			18
19	AVERAGE SULFUR CONTENT (%)			.50			19
20	GAS: CONSUMPTION (1,000 MCF)	67.90	6.30		11,182.10	5,849.00	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	990	1,040		1,038	1,052	21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	2	3	12	6	4	22
23	- NO. OF WET BOTTOM	2	3	9	6		23
24	- NO. WITH FLY ASH REINJECTION	2					24
25	- NO. WITH MECHANICAL PRECIPITATORS					3	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	3		6	1	26
27	- NO. WITH COMBINATION PRECIPITATORS [4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	16.00	20.50	20.00 28.00	10.00 18.00	22.00 27.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					92.00	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH					92.50	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	98.00	97.00		90.00 98.00	98.00	33
34	TESTED, LOW - HIGH	98.10	75.30 96.50		91.00 95.20		34
35	EST., LOW - HIGH	98.00	98.00		90.00 98.00	96.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.79	.36	71.67	.92	.92	39
40	SULFUR DIOXIDE (1,000 TONS)	201.44	16.02	63.83	86.08	12.62	40
41	NITROGEN OXIDES (1,000 TONS)	66.67	3.59	11.25	37.19	2.70	41
42	STACKS: - TOTAL NO.	2	2	3	6	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	500.00	315.00	311.00 352.00	213.00	148.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	351.00	34.10	46.90	147.20	21.40	45
46	SOLD (1,000 TONS) [11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					98.00	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	4,342.00	459.00		1,591.00	179.00	51
52	COMBINATION PRECIPITATORS ($1,000) [4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	950.00	58.00	1,337.00	860.00	106.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	396.00	108.00	84.00	373.00	60.00	55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	396.00	108.00	84.00	373.00	60.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	LOCAL RUNOFF	CHICAGO CANAL	ILLINOIS RIVER	CHICAGO CANAL	ROCK RIVER	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	57.30	90.00	403.00	807.00	187.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	28.50	90.00	403.00	807.00	187.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	28.80	.77	3.47	6.94	1.61	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.00 43.00		85.00 41.00	86.00 65.00	84.00 40.00	66
67	AT OUTFALL, SUMMER - WINTER	108.00 53.00		99.00 53.00	96.00 75.00	104.00 70.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			10,105.00	3,116.00	2,046.00	68
69	- WINTER			12,000.00	2,980.00	2,822.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	O	H	M	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.	.16	.95	1.66	.42	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	322.50	10.14	45.86	59.18	71.29	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	226.51					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		1.70				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	53.41	26.95	251.83	199.58		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES	YES YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	PS	OT	PS	PS	77
78	[19] RECEIVING WATER BODY	LAKE KINCAID		ILLINOIS RIVER			78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.90	10.80	10.80 8.20	10.40 7.40	11.00 4.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	1.50	3.00	3.00 20.00	3.00 45.00	3.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		137.00	29.00	321.00	34.00	81
82	- ASH SETTLING	817,000.00		27,027.00	525,500.00	8,000.00	82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		7 224.00	4 320.00	4 692.00	4 147.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)	2 1,320.00					85
86	COOLING TOWER(S)						86
87	COMBINATIONS [21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1967 1968	1912 1957	1928 1940	1950 1955	1949 1961	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	22.50		7.00 8.70	8.30 11.70	20.20	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,070.00		1,090.00	1,336.00	213.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,070.00	334.00	1,090.00	1,336.00	280.00	91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,675.00	496.00	2,313.00	4,401.00	1,106.00	92
93	COOLING PONDS ($1,000)	3,819.00					93
94	COOLING TOWERS ($1,000)						94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	62.00	46.00	25.00	74.00	11.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	14.00	6.00	19.00	45.00		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	152.00	46.00	51.00	100.00	64.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	55.00	3.00	18.00	12.00	9.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	CONN YANKEE ATOMIC PWR CO.	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY		1
4	NAME OF PLANT	WAUKEGAN	WILL COUNTY	HADDAM	59TH ST.	74TH ST		4
5	UTILITY-PLANT CODE	11150C-1600	11150D-1700	11250C-C100	113000-0100	113000-0200		5
6	STATE	ILLINOIS	ILLINOIS	CONNECTICUT	NEW YORK	NEW YORK		6
7	COUNTY	LAKE	WILL	MIDDLESEX	NEW YORK	NEW YORK		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	067 C4	067 07	042 01	043 02	043 02		8
9	PLANT CAPACITY (MW)	1,043.00	1,269.00	600.30	184.50	269.00		9
10	ANNUAL GENERATION (MWH) [3]	5,260,700	6,497,900	3,639,185	6,950	584,753		10
11	PLANT HEAT RATE (BTU/KWH) [3]			10,827	14,740	12,608		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	2,019.00	3,052.00					12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,852	10,371					13
14	AVERAGE SULFUR CONTENT (%)	3.13	3.39					14
15	AVERAGE ASH CONTENT (%)	9.54	12.27					15
16	AVERAGE MOISTURE CONTENT (%)	14.88	15.14					16
17	OIL: CONSUMPTION (1,000 BARRELS)	25.00	48.80		1,278.80	1,288.00		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,857	138,222		146,862	146,128		18
19	AVERAGE SULFUR CONTENT (%)	.50	.50		.91	.73		19
20	GAS: CONSUMPTION (1,000 MCF)	9,760.80			2.80			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,038			1,035			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	9	4		6	3		22
23	- NO. OF WET BOTTOM	6	2					23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	8	4					26
27	- NO. WITH COMBINATION PRECIPITATORS [4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	18.00 25.00	10.00 20.00		7.00 15.00	25.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00 98.00	90.00 98.00					33
34	TESTED, LOW - HIGH	88.70 99.10	91.70					34
35	EST., LOW - HIGH	96.00 98.00	91.00 98.00					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	5.56	5.56		.21	.22		39
40	SULFUR DIOXIDE (1,000 TONS)	123.90	202.87		3.90	3.15		40
41	NITROGEN OXIDES (1,000 TONS)	27.30	42.86		2.82	2.84		41
42	STACKS: - TOTAL NO.	4	4		3	1		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	330.00 450.00	349.00 500.00		245.85 528.35	518.90		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	182.20	311.40					45
46	SOLD (1,000 TONS) [11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	4,569.00	3,211.00					51
52	COMBINATION PRECIPITATORS ($1,000) [4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	893.00	1,083.00		1,297.00	1,188.40		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	390.00	714.00					55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	390.00	714.00					59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE MICHIGAN	CHICAGO CANAL	CONNECTICUT RIVER	HUDSON RIVER	EAST RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1,126.00	1,276.00	870.00	212.00	345.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	1,126.00	1,276.00	870.00	212.00	345.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	9.68	10.97	7.48	1.82	2.97		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG JAN	JUL DEC	JUL DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 49.00	86.00 60.00	83.00 35.00	80.00 57.00	72.00 59.00		66
67	AT OUTFALL, SUMMER - WINTER	91.00 61.00	94.00 68.00	105.00 57.00	88.00 65.00	75.00 63.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		4,594.00	5,890.90	8,000.00			68
69	- WINTER		4,593.00	8,810.00	15,500.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	H	O			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	. 2.84	1.00	.90	7.75	2.40		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	78.72	105.80		32.50	466.50		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	14.30						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	104.45	594.18		32.25	69.50		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES YES	YES YES	YES YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	OT	ST				77
78	RECEIVING WATER BODY [18]		OES PLAINES RIVER					78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.20 7.70	9.70 7.70					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	3.00 25.00	3.00 40.00					80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	1,833.00	800.00					81
82	- ASH SETTLING	244,000.00	18,484.00					82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	7 1,042.00	4 1,269.00	1 600.00				83
84	ONCE THROUGH COOLING (SALINE)				5 187.00	5 269.00		84
85	COOLING POND(S)							85
86	COOLING TOWER(S)							86
87	COMBINATIONS [21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1923 1962	1955 1963	1965	1918 1968	1915 1962		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.50 15.20	8.90 12.10	22.00	7.00	7.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,948.00	2,000.00	830.00	589.00			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,948.00	2,000.00	870.00	589.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	4,859.00	5,126.00		860.20	955.29		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	61.00	138.00	10.00	101.30	68.50		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	12.00	89.00	11.30	5.40	10.90		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	105.00	107.00	8.00	145.50	107.40		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	24.00	38.00	3.40	11.80	37.10		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY		
NAME OF PLANT	ARTHUR KILL	ASTORIA	EAST RIVER	HELL GATE	HUDSON AVENUE		
UTILITY-PLANT CODE	113000-03CC	113000-04CC	113000-05FC	113000-060C	113000-07CC		
STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	NEW YORK		
COUNTY	RICHMOND	RICHMOND	NEW YORK	BRONX	KINGS		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	043 C2	043 02	043 02	043 02	043 02		
PLANT CAPACITY (MW)	911.70	1,550.60	833.65	611.25	845.00		
ANNUAL GENERATION (MWH) [3]	3,141,000	7,100,500	2,594,100	1,349,500	2,119,400		
PLANT HEAT RATE (BTU/KWH) [3]	9,790	10,609	13,860	19,812	16,811		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,003.70	1,747.60	26.00				
AVERAGE HEAT CONTENT (BTU/LB)	13,250	13,350	13,564				
AVERAGE SULFUR CONTENT (%)	.99	.88	.90				
AVERAGE ASH CONTENT (%)	8.55	8.75	7.50				
AVERAGE MOISTURE CONTENT (%)	4.92	4.72	4.70				
OIL: CONSUMPTION (1,000 BARRELS)	675.70	1,659.80	2,102.00	3,294.30	5,870.40		
AVERAGE HEAT CONTENT (BTU/GAL)	146,312	146,453	146,446	146,589	146,500		
AVERAGE SULFUR CONTENT (%)	.87	.85	.83	.83	.83		
GAS: CONSUMPTION (1,000 MCF)		17,843.10	22,221.30	6,235.20	10.10		
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,035	1,035	1,035	1,035		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	5	12	19	24		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS	1						
- NO. WITH COMBINATION PRECIPITATORS [4]	1	5	1				
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	25.00	25.00	15.00 20.00	20.00 27.00	25.00 30.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	99.00 99.50	97.00 99.00	97.00				
TESTED, LOW - HIGH							
EST., LOW - HIGH			5.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.55	1.56	1.56	.55	.99		
SULFUR DIOXIDE (1,000 TONS)	21.45	34.88	6.31	9.17	16.35		
NITROGEN OXIDES (1,000 TONS)	10.52	22.87	9.16	8.48	12.95		
STACKS: - TOTAL NO.	1	8	4	5	4		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	518.25	315.00	378.00	274.25 294.25	387.10 387.20		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]							
SOLD (1,000 TONS) [11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)	1,996.00						
COMBINATION PRECIPITATORS ($1,000) [14]	2,277.00	8,212.00	1,170.00				
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	808.50	1,315.20	648.90	172.00	255.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		68.80	5.20				
REVENUES FROM SALE OF ASH ($1,000)		9.80					
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	289.50	832.50	18.70				
TOTAL BYPRODUCT SALES REVENUES ($1,000)		9.80					

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LOWER NY BAY	EAST RIVER	EAST RIVER	EAST RIVER	EAST RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	685.00	1,651.00	1,048.00	791.00	919.00		
AVERAGE RATE OF DISCHARGE (CFS)	685.00	1,651.00	1,048.00	791.00	919.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.89	14.20	9.01	6.80	7.90		
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 63.00	77.00 60.00	75.00 54.00	78.00 58.00	74.00 53.00		
AT OUTFALL, SUMMER - WINTER	94.00 78.00	88.00 75.00	85.00 69.00	89.00 80.00	88.00 65.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER							
- WINTER							
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	O	O	O	O	O		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.50	2.50	94.00	16.50	52.50		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	35.00	10.00	144.50	16.50	126.00		
LIME (TONS), COOLING WATER - BOILER MAKEUP							
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	54.00	450.00	265.50	65.50	50.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES YES	YES YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]							
[19] RECEIVING WATER BODY							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)							
ONCE THROUGH COOLING (SALINE)	2 902.00	5 1,560.00	6 825.00	8 613.00	9 845.00		
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1959 1969	1953 1962	1927 1962	1921 1946	1924 1951		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	13.00	13.00	15.00	12.00	12.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,010.00	2,718.00	1,590.00	1,575.00	5,217.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,010.00	2,108.00	1,590.00	1,575.00	2,330.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,676.03	4,618.59	6,107.79	1,300.87	1,624.39		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	110.70	238.30	271.30	25.70	292.70		
COST OF CHEMICAL ADDITIVES ($1,000)	9.10	75.80	44.70	10.90	9.10		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	76.20	298.40	170.50	103.20	192.80		
COST OF CHEMICAL ADDITIVES ($1,000)	6.70	7.30	36.20	16.90	25.40		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	
NAME OF PLANT	INDIAN POINT	KENT AVENUE	RAVENSWOOD	SHERMAN CREEK	WATERSIDE	
UTILITY-PLANT CODE	113000-C800	113000-C900	113000-1000	113000-1100	113000-1200	
STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	NEW YORK	
COUNTY	WESTCHESTER	KINGS	QUEENS	NEW YORK	NEW YORK	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	043 C2	043 02	043 C2	043 02	043 C2	
PLANT CAPACITY (MW)	275.00	107.50	1,827.70	216.60	712.25	
ANNUAL GENERATION (MWH) [3]	1,674,000	4,543	8,812,600	571,200	2,238,000	
PLANT HEAT RATE (BTU/KWH) [3]	11,008	16,105	9,801	15,369	12,178	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			880.70			
AVERAGE HEAT CONTENT (BTU/LB)			13,582			
AVERAGE SULFUR CONTENT (%)			.79			
AVERAGE ASH CONTENT (%)			7.49			
AVERAGE MOISTURE CONTENT (%)			4.79			
OIL: CONSUMPTION (1,000 BARRELS)	902.50		7,433.10	1,381.90	2,277.70	
AVERAGE HEAT CONTENT (BTU/GAL)	147,321		146,198	146,741	146,162	
AVERAGE SULFUR CONTENT (%)	.90		.77	.86	.71	
GAS: CONSUMPTION (1,000 MCF)		3,074.10	13,618.00	253.50	15,715.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,035	1,035	1,035	1,035	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	3	4	2	10	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS [4]			2			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	28.00	10.00 25.00	20.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			99.00			
TESTED, LOW - HIGH			99.00			
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.15		1.47	.23	.38	
SULFUR DIOXIDE (1,000 TONS)	2.73		34.39	3.99	5.43	
NITROGEN OXIDES (1,000 TONS)	1.99	.60	27.86	3.10	8.09	
STACKS: - TOTAL NO.	1	3	3	1	3	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	334.00	277.30	515.00	335.50	479.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]			.20			
TOTAL ASH: COLLECTED (1,000 TONS) [10]						
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]			12,300.00			
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	665.10	165.10	1,516.70	29.50	598.40	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			52.80			
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]			126.20			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	HUDSON RIVER	EAST RIVER	EAST RIVER	HARLEM RIVER	EAST RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	503.00	103.00	1,904.00	246.00	726.00	
AVERAGE RATE OF DISCHARGE (CFS)	503.00	103.00	1,904.00	246.00	726.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	4.33	.89	16.37	2.12	6.24	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 40.00	76.00 55.00	74.00 55.00	77.00 52.00	78.00 57.00	
AT OUTFALL, SUMMER - WINTER	90.00 50.00	89.00 66.00	86.00 65.00	90.00 64.00	90.00 76.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	8,000.00					
- WINTER	15,500.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	0	0	D	0	0	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.90	1.50	1.00	16.50	7.00	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	20.00	75.00	65.00	5.00	775.00	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]		61.50	502.50	56.50	265.50	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST					
RECEIVING WATER BODY [19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)						
ONCE THROUGH COOLING (SALINE)	1 275.00	4 108.00	3 1,827.70	6 216.50	13 713.00	
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1920 1938	1963 1965	1915 1947	1919 1949	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00	10.00	15.00	10.00	10.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	695.00		2,149.00	782.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	695.00		2,149.00	391.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	4,892.50	374.70	9,176.81	385.16	1,349.80
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	35.70	28.00	76.20	55.30	183.40
COST OF CHEMICAL ADDITIVES ($1,000)	2.00	10.40	84.60	9.50	44.90

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	40.00	35.40	116.20	87.70	201.90
COST OF CHEMICAL ADDITIVES ($1,000)	3.80	6.10	12.00	6.70	63.70

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	
NAME OF PLANT	CO88	MORROW	BIG ROCK POINT	KARN	ELM ST.	
UTILITY-PLANT CODE	114500-C400	114500-0500	114500-0600	114500-1200	114500-1300	
STATE	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN	
COUNTY	MUSKEGON	KALAMAZOO	CHARLEVOIX	BAY	CALHOUN	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	122 C4	125 C4	126 04	122 04	125 04	
PLANT CAPACITY (MW)	510.50	186.00	75.00	530.00	30.00	
ANNUAL GENERATION (MWH) [3]	2,907,900	827,300	401,000	3,900,700	72,087	
PLANT HEAT RATE (BTU/KWH) [3]	10,608	12,969	11,070	9,013	15,256	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,267.00	157.17		1,512.10	41.56	
AVERAGE HEAT CONTENT (BTU/LB)	11,700	14,150		11,610	13,234	
AVERAGE SULFUR CONTENT (%)	3.55	1.51		2.05	1.00	
AVERAGE ASH CONTENT (%)	11.47	6.96		11.63	7.00	
AVERAGE MOISTURE CONTENT (%)	10.01	5.07		8.46	4.90	
OIL: CONSUMPTION (1,000 BARRELS)	6.70			4.91	.20	
AVERAGE HEAT CONTENT (BTU/GAL)	140,000			140,000	140,000	
AVERAGE SULFUR CONTENT (%)	.50			.50	.30	
GAS: CONSUMPTION (1,000 MCF)		6,364.81				
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,021				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	4		2	1	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS		4			1	
- NO. WITH ELECTROSTATIC PRECIPITATORS	5			2		
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00 18.00	20.00		17.00	4.50	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00 81.00				80.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	80.00 81.00				80.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	99.00			95.00		
TESTED, LOW - HIGH	92.29 95.83			73.87 76.53		
EST., LOW - HIGH	96.00 97.00					
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	6.35	1.80		36.92	.49	
SULFUR DIOXIDE (1,000 TONS)	88.17	4.65		60.77	.81	
NITROGEN OXIDES (1,000 TONS)	11.42	2.66		13.62	.37	
STACKS: - TOTAL NO.	5	2	1.	2	1	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	250.00 300.00	262.50	240.00	350.00	255.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	136.60	9.10		152.20	2.40	
SOLD (1,000 TONS) [11]	5.20			18.90		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS (INCL. DUCTS)		100.60			19.00	
ELECTROSTATIC PRECIPITATORS ($1,000)	3,640.00			1,014.00		
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	276.00	100.00	60.00	522.00	25.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	106.60	8.90		74.20	14.20	
REVENUES FROM SALE OF ASH ($1,000)	2.40			16.20		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	108.10	12.40		82.90	14.20	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	1.00			16.20		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MUSKEGON LK	KALAMAZOO RIVER	LAKE MICHIGAN	SAGINAW RIVER	BATTLE CREEK R.	
AVERAGE RATE OF WITHDRAWAL (CFS)	696.00	175.00	113.86	486.00	65.20	
AVERAGE RATE OF DISCHARGE (CFS)	696.00	175.00	113.86	485.50	65.20	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.99	1.51	.98	4.18 .32	.56	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG OEC	AUG OEC	AUG OEC	AUG OEC	AUG OEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 40.00	80.00 37.00	68.00 36.00	76.00 36.00	74.00 37.00	
AT OUTFALL, SUMMER - WINTER	97.00 61.00	97.00 66.00	85.00 56.00	91.00 62.00	86.00 52.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		553.00				
- WINTER		906.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	H	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.33	.73		1.37	.40	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	38.01	.15	.22	232.18		
LIME (TONS), COOLING WATER - BOILER MAKEUP	13.18	9.13		44.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	1.56	2.19		5.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	49.36 13.23	2.19 .02		39.00 13.90	.90	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES		YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	PS	
RECEIVING WATER BODY [19]		KALAMAZOO RIVER	LAKE MICHIGAN	SAGINAW BAY		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.50 7.70	10.50		10.00 8.00	11.00 8.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00 3.00	15.00		5.00	50.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	35,133.69					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 510.50	4 186.00	1 75.00	2 530.00	1 30.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1957	1939 1949	1962	1959 1961	1925	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	11.68 16.50	15.00 16.50	20.00	14.33	13.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	903.00	404.00	104.30	664.00	77.90	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	903.00	405.00	104.30	664.00	77.90	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.50	4.30	21.00	5.00	.20	
COST OF CHEMICAL ADDITIVES ($1,000)	2.30	.59		6.50	.24	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	5.00	14.00	4.00	.40	
COST OF CHEMICAL ADDITIVES ($1,000)	15.00	6.27	.03	27.00	.65	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	NEBRASKA PUB PWR DISTRICT	
NAME OF PLANT	CAMPBELL	SAGINAW RIVER	WEADOCK	WHITING	BLUFFS	
UTILITY-PLANT CODE	11450C-190C	114500-2500	114500-2600	11450C-2900	11500C-100C	
STATE	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN	NEBRASKA	
COUNTY	OTTAWA	SAGINAW	BAY	MONROE	SCOTTS BLUFF	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	122 04	122 04	122 04	124 04	146 1C	
PLANT CAPACITY (MW)	650.00	103.50	614.5C	325.0C	42.2C	
ANNUAL GENERATION (MWH) [3]	3,678,CCC	161,666	3,376,5CC	2,393,900	178,1CC	
PLANT HEAT RATE (BTU/KWH) [3]	9,C14	20,8C4	10,7CC	9,769	1C,444	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,465.00	132.75	1,465.00	1,021.1C		
AVERAGE HEAT CONTENT (BTU/LB)	11,311	13,383	12,138	11,474		
AVERAGE SULFUR CONTENT (%)	3.24	1.50	1.54	2.91		
AVERAGE ASH CONTENT (%)	13.11	1C.62	9.68	14.16		
AVERAGE MOISTURE CONTENT (%)	7.82	6.72	7.42	6.48		
OIL: CONSUMPTION (1,000 BARRELS)	8.10		54.00	.4C	4.30	
AVERAGE HEAT CONTENT (BTU/GAL)	14C,CCC		140,000	14C,C0C	148,3C1	
AVERAGE SULFUR CONTENT (%)	.30		.30	.5C	.43	
GAS: CONSUMPTION (1,000 MCF)					2,214.12	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,C63	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	10	8	3	4	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS			8	3		
- NO. WITH ELECTROSTATIC PRECIPITATORS	2					
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	18.00	3C.CC	20.00 25.0C	20.00	10.00 15.0C	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			80.00 91.0C	85.00 86.00		
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH			80.00 91.00	85.00 86.CC		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00 98.CC					
TESTED, LOW - HIGH	93.53					
EST., LOW - HIGH	95.00					
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	9.35	9.17	16.21	17.95		
SULFUR DIOXIDE (1,000 TONS)	93.04	3.90	44.39	58.24	.01	
NITROGEN OXIDES (1,000 TONS)	13.20	1.00	13.34	9.19	.44	
STACKS: - TOTAL NO.	1	3	5	3	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	405.00	256.50	244.00 272.0C	297.0C	65.0C 99.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	183.10	14.20	141.80	123.70		
SOLD (1,000 TONS) [11]	6.10	5.00				
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			454.10	216.50		
ELECTROSTATIC PRECIPITATORS ($1,000)	970.60					
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	312.00	72.00	450.00	209.00	25.92	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	224.10	25.70	205.50	55.40		
REVENUES FROM SALE OF ASH ($1,000)	3.90	12.80		.20		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	225.10	25.70	205.50	55.40		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	3.40	12.80		.20		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	PIGEON LAKE	SAGINAW RIVER	SAGINAW RIVER	LAKE ERIE	WELLS	
AVERAGE RATE OF WITHDRAWAL (CFS)	5C2.00	83.25	91C.CC	351.CC	19.80	
AVERAGE RATE OF DISCHARGE (CFS)	502.00	83.25	91C.00	351.00	19.80	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	4.32	.72	7.83	3.02	.17	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	74.00 46.00	81.00 37.00	78.00 35.0C	77.00 33.0C		
AT OUTFALL, SUMMER - WINTER	87.00 71.00	93.00 52.CC	88.00 55.CC	88.00 59.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		700.00				
- WINTER		1,395.CC				
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	H	H	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.C5	2.52	1.82	.25		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	32.55		.29	.25	.02	
LIME (TONS), COOLING WATER - BOILER MAKEUP				6.10		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				.21		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	18.20	4.88	41.80	45.82		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES	YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY [19]	LAKE MICHIGAN			LAKE ERIE		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.50 7.50	10.80	10.30 8.0C	10.50 8.CC		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	3.00 12.00	38.00	15.00	15.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	316,000.00	25,000.00				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)	2 650.00	4 103.5C	8 614.50	3 325.0C	4 42.4C	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962 1966	1928 1930	1940 1958	1952 1953	1940 1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	16.67 18.33		11.70 16.50	12.1C 15.00	26.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	668.00	407.00	1,196.CC	477.00	60.2C	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	668.00	407.00	1,219.00	477.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	.50	2.70	11.00	.23		
COST OF CHEMICAL ADDITIVES ($1,000)	5.60	1.30	8.99	2.42	14.16	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	.50	2.40	6.7C	4.15		
COST OF CHEMICAL ADDITIVES ($1,000)	5.33	5.5C	1.75	3.2C		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	NEBRASKA RUB RWR DISTRICT	DAIRYLAND ROWEP COOPEPATIVE	DAIPYLAND POWER CCOPERATIVE	DAIPYLAND POWER COOPEPATIVE	DALLAS POWEP & LIGHT CO.	
NAME OF PLANT	SHELDON	ALMA	GENOA #3	STONEMAN	DALLAS	
UTILITY-PLANT CCOE	115000-1100	126000-0100	126000-0450	126000-0500	126500-0100	
STATE	NEBRASKA	WISCONSIN	WISCONSIN	WISCONSIN	TEXAS	
COUNTY	LANCASTER	BUFFALO	VERNON	GRANT	DALLAS	
AIR QUALITY CONTROL REGION NO.[1] - WATEP RESOURCE REGION NO.[2]	145 10	128 07	128 07	068 07	215 12	
PLANT CAPACITY (MW)	228.65	188.00	384.00	51.80	223.80	
ANNUAL GENEPATION (MWH)[3]	1,079,654	1,246,600	904,100	241,600	442,600	
PLANT HEAT PATE (BTU/KWH)[3]	10,446	10,793	8,859	12,217	13,270	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	168.36	612.30	385.00	134.60		
AVEPAGE HEAT CONTENT (BTU/LB)	12,345	10,971	10,632	10,922		
AVEPAGE SULFUP CONTENT (%)	3.33	3.18	3.34	3.20		
AVERAGE ASH CONTENT (%)	11.40	12.72	13.38	12.33		
AVEPAGE MOISTUPE CONTENT (%)	6.56	10.95	10.48	11.46		
OIL: CONSUMPTION (1,000 BAPPELS)		3.18	35.80	1.29	.70	
AVEPAGE HEAT CONTENT (BTU/GAL)		140,000	140,000	140,000	146,C71	
AVERAGE SULFUR CONTENT (%)		.10	.10	.10	.66	
GAS: CONSUMPTION (1,000 MCF)	7,C72.69				5,520.36	
AVEPAGE HEAT CONTENT (BTU/CU.FT.)	1,C07				1,064	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	5	1	2	9	
- NO. OF WET BOTTOM	2					
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	1	5		2		
- NO. WITH ELECTPOSTATIC PPECIPITATORS			1			
- NO. WITH COMBINATION PPECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIP USED (%), LOWEST BOILER - HIGHEST BOILEP[5]	16.00	20.00 25.00	20.00	20.00	10.00	
MECHANICAL PRECIPITATOP EFFICIENCY : DESIGN, LOW - HIGH	75.00	77.00 90.00		84.00		
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	75.00	77.00 90.00		85.00		
ELECTROSTATIC/COMBINATION PRECIPITATOP EFFICIENCY[6]: DESIGN, LOW - HIGH			99.00			
TESTED, LOW - HIGH						
EST., LOW - HIGH			90.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PAPTICULATE MATTEP (1,000 TONS)	1.23	9.79	4.38	2.12		
SULFUR DIOXIDE (1,000 TONS)	10.99	38.19	25.22	8.44		
NITPOGEN OXIDES (1,000 TONS)	6.01	5.52	3.54	1.21	1.08	
STACKS: - TOTAL NO.	2	3	1.	2	7	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	176.00	189.50 210.00	500.00	138.00	137.00 361.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	18.39	61.00	47.40	13.60		
SOLD (1,000 TONS)[11]						
TOTAL SULFUP: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	60.00	104.80		45.50		
ELECTROSTATIC PRECIPITATORS ($1,000)			811.00			
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	133.20	140.00	605.00	24.40	203.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	17.60	9.40	28.90	5.70		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	17.60	39.40	28.90	5.70		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATEP: SOURCE	WELLS	MISSISSIPPI PIVEP	MISSISSIPPI PIVEP	MISSISSIPPI RIVEP	WELLS	
AVEPAGE PATE OF WITHORAWAL (CFS)	4.30	182.00	317.00	62.00	1.60	
AVERAGE PATE OF DISCHAPGE (CFS)	2.15	182.00	317.00	62.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - PEPORTED[14]	2.15	1.57	2.73	.53	1.60	
PEAK LOAD MONTH : SUMMER - WINTER[15]		JUL JAN	AUG DEC	AUG JAN		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVEPSION, SUMMER - WINTEP		76.00 35.00	76.50 35.00	80.00 34.00		
AT OUTFALL, SUMMER - WINTEP		92.00 48.00	94.00 63.00	92.00 52.00		
AVE. FLOW IN PECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		24,900.00	17,450.00	33,850.00		
- WINTEP		24,910.00	16,200.00	33,850.00		
FPEQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]		C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILEP MAKEUP	3.60 .05	.15	.08	.04	7.15 .88	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	11.25	.03	75.00	13.65		
LIME (TONS), COOLING WATER - BOILER MAKEUP	1,206.80 44.00					
ALUM (TONS), COOLING WATER - BOILEP MAKEUP	58.50 .50	3.00		.01 .20		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	14.00				15.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	CT	PS	ST	PS	PS	
RECEIVING WATEP BODY[19]						
POND DISCHAPGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (RPM), BOILEP BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING: ONCE THPOUGH COOLING (FPESH)		5 187.90	1 384.00	2 51.80		
ONCE THPOUGH COOLING (SALINE)						
COOLING PONDS(S)					3 70.00	
COOLING TOWER(S)	2 228.00				2 153.80	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1959 1965	1947 1959	1969	1951 1952	1923 1954	
DESIGN: TEMP. RISE ACPOSS CONDENSEPS (DEG. F), SMALLEST - LAPGEST[22]	17.80 18.40	18.00	17.30	16.00 16.93	15.00 16.00	
TOTAL RATE OF FLOW THPOUGH ALL CONDENSERS (CFS)	267.40	280.00	362.00	85.90	257.00	
TOTAL RATE OF WITHORAWAL, ONCE THPOUGH COOLING SYSTEMS (CFS)		1,841.50	378.00	94.90		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		1,085.30	1,168.00	413.20		
COOLING PONDS ($1,000)					455.00	
COOLING TOWERS ($1,000)	2,301.00				1,405.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.50	14.40	4.80	10.00	130.00
COST OF CHEMICAL ADDITIVES ($1,000)	88.10		.02		16.00

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	33.40	6.60	14.40	3.60	22.00
COST OF CHEMICAL ADDITIVES ($1,000)	46.00	5.70	24.54	1.90	1.00

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	DALLAS POWER & LIGHT CO.	DALLAS POWER & LIGHT CO.	DALLAS POWER & LIGHT CO.	ATLANTIC CITY ELECTRIC CO.	DELMARVA POWER & LIGHT CO.	
NAME OF PLANT	MOUNTAIN CREEK	NORTH LAKE	PARKDALE	DEEPWATER	VIENNA	
UTILITY-PLANT CODE	126500-C200	126500-0300	126500-0400	128500-0100	129500-0300	
STATE	TEXAS	TEXAS	TEXAS	NEW JERSEY	MARYLAND	
COUNTY	DALLAS	CALLAS	DALLAS	SALEM	DORCHESTER	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	215 12	215 12	215 12	045 02	114 02	
PLANT CAPACITY (MW)	989.70	708.60	340.60	308.30	94.50	
ANNUAL GENERATION (MWH) [3]	2,905,600	2,964,400	718,500		451,900	
PLANT HEAT RATE (BTU/KWH) [3]	10,392	10,357	12,070		15,706	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					131.60	240.00	
AVERAGE HEAT CONTENT (BTU/LB)					13,003	12,973	
AVERAGE SULFUR CONTENT (%)					3.34	1.75	
AVERAGE ASH CONTENT (%)					10.06	11.87	
AVERAGE MOISTURE CONTENT (%)					3.33	4.43	
OIL: CONSUMPTION (1,000 BARRELS)	7.17	1.68	2.35		3,780.31	129.00	
AVERAGE HEAT CONTENT (BTU/GAL)	146,071	146,071	146,071		150,183	146,805	
AVERAGE SULFUR CONTENT (%)	.73	.60	.43		1.90	1.78	
GAS: CONSUMPTION (1,000 MCF)	28,942.68	28,182.59	8,359.43		2,931.05		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,042	1,089	1,036		1,036		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8		3		3		8	6	
- NO. OF WET BOTTOM							5		
- NO. WITH FLY ASH REINJECTION									
- NO. WITH MECHANICAL PRECIPITATORS							7	5	
- NO. WITH ELECTROSTATIC PRECIPITATORS							1		
- NO. WITH COMBINATION PRECIPITATORS [4]									
- NO. WITH DESULFURIZATION SYSTEMS									
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	8.00 19.00	8.00		7.00 8.00	7.00 30.00	15.00 22.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					82.00 88.00	50.00 95.00			
TESTED, LOW - HIGH					64.50 84.10	38.20 70.00			
ESTIMATED, LOW - HIGH						50.00 75.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH					90.00				
TESTED, LOW - HIGH					90.70				
EST., LOW - HIGH									
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)					2.10	7.70	
SULFUR DIOXIDE (1,000 TONS)	.02	5.50	1.64		32.71	9.00	
NITROGEN OXIDES (1,000 TONS)	5.66		6.		11.30	2.37	
STACKS: - TOTAL NO.	8	6			6	6	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	142.00 167.00	164.00 193.00	141.00 149.00	175.20 225.50		133.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]					13.75	29.00	
TOTAL ASH: COLLECTED (1,000 TONS) [10]					6.78		
SOLD (1,000 TONS) [11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					373.50	87.00	
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					218.20		
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	200.00	94.00	48.00		313.70	62.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						39.00	
REVENUES FROM SALE OF ASH ($1,000)					5.10		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						39.00	
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]					5.10		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	W. FORK TRINITY R	CITY WATER	WH. ROCK CR./WELL	DELAWARE RIVER		NANTICOKE RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	748.00	727.00	2.70	400.00		211.00	
AVERAGE RATE OF DISCHARGE (CFS)	743.00	723.00	.80	400.00		211.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.00	4.00	1.90	3.44		1.81	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN			AUG DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	96.00 58.00			83.00 51.00	80.00 40.00		
AT OUTFALL, SUMMER - WINTER	96.00 58.00			95.00 65.00	90.00 50.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,103.00			362,000.00			
- WINTER	464.00			362,000.00			
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C		C	C		H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.40	1.10	9.90 1.35	1.26		.20	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	310.92	214.89	4.35			3.90	
LIME (TONS), COOLING WATER - BOILER MAKEUP		4.60					
ALUM (TONS), COOLING WATER - BOILER MAKEUP			15.00				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	23.00	2.00		94.50			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	NO YES	YES YES	YES		YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	OT	PS	ST		PS	
RECEIVING WATER BODY		NORTH LAKE RES.		DELAWARE RIVER			
POND DISCHARGE: [18] PH, BOILER BLOWDOWN - ASH SETTLING	8.00	8.00		9.00			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	20.00	3.00		5.00		400.00 5,000.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	1,000,000.00	9,300.00		27,200.00		20.00	
- ASH SETTLING						3,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)				4 261.10	7 94.50		
ONCE THROUGH COOLING (SALINE)							
COOLING PONDS	6 989.70	3 708.60					
COOLING TOWERS			3 340.60				
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1938	1959	1953 1968	1930 1958	1928 1951		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	9.00 20.00	14.00 16.00	17.00 21.00	10.00 12.00	16.00 18.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,578.00	898.00	432.00	620.00	211.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				620.00	211.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)				2,156.80	519.00		
COOLING PONDS ($1,000)	4,333.00	3,555.00					
COOLING TOWERS ($1,000)			3,447.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	54.00	19.00	97.00		5.00		
COST OF CHEMICAL ADDITIVES ($1,000)	3.00	2.00	15.00		1.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	24.00	14.00	13.00	219.79	3.00		
COST OF CHEMICAL ADDITIVES ($1,000)	26.00	16.00	6.00		1.00		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	DELMARVA POWER & LIGHT CO.	DELMARVA POWER & LIGHT CO.	DELMARVA POWER & LIGHT CO.	DENTON, CITY OF		DETROIT PUBLIC LIGHTING COMM.	
NAME OF PLANT	DELAWARE CITY	EDGEMOOR	INDIAN RIVER	DENTON		MISTERSKY	
UTILITY-PLANT CODE	13050C-0100	13050C-0200	13050C-03C0	13200C-0100		136000-01C0	
STATE	DELAWARE	DELAWARE	DELAWARE	TEXAS		MICHIGAN	
COUNTY	NEW CASTLE	NEW CASTLE	SUSSEX	DENTON		WAYNE	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	045 C2	045 02	C46 02	215 12		123 04	
PLANT CAPACITY (MW)	13C.00	389.80	163.20	123.80		174.00	
ANNUAL GENERATION (MWH)[3]	251,4D0	2,617,CC0	1,184,50C	262,933		6C8,1CC	
PLANT HEAT RATE (BTU/KWH)[3]	9,561	10,162	9,958	12,815		11,167	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	515.55	811.0C	465.00			292.89		
AVERAGE HEAT CONTENT (BTU/LB)	14,132	12,9C4	12,424			11,925		
AVERAGE SULFUR CONTENT (%)	6.96	2.06	2.33			1.12		
AVERAGE ASH CONTENT (%)	.37	9.83	12.56			1C.70		
AVERAGE MOISTURE CONTENT (%)	.38	5.63	5.C9			7.40		
OIL: CONSUMPTION (1,000 BARRELS)	258.11	785.C0	35.00					
AVERAGE HEAT CONTENT (BTU/GAL)	152,454	150,CC0	137,635					
AVERAGE SULFUR CONTENT (%)	4.44	1.59	.20					
GAS: CONSUMPTION (1,000 MCF)	4,958.98	771.C0		2,967.78				
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,066	1,035		1,077				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	4	2	4		10		
- NO. OF WET BOTTOM	4					2		
- NO. WITH FLY ASH REINJECTION	4							
- NO. WITH MECHANICAL PRECIPITATORS	3	3						
- NO. WITH ELECTROSTATIC PRECIPITATORS		1						
- NO. WITH COMBINATION PRECIPITATORS[4]	1		2			2		
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	2C.00	20.00	2C.00	.80	15.00	16.60	2C.CC	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		72.00 83.00						
TESTED, LOW - HIGH		56.90 65.90						
ESTIMATED, LOW - HIGH	75.00	72.00 83.00						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.30	95.CC	98.00			96.50	97.70	
TESTED, LOW - HIGH	99.20		98.60					
EST., LOW - HIGH		95.0C	98.0C			96.50	97.70	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.39	9.76	.99			5.25		
SULFUR OIOXIDE (1,000 TONS)	72.54	36.94	21.26			6.43		
NITROGEN OXIDES (1,000 TONS)	9.09	9.18	4.26		.58	4.08		
STACKS: - TOTAL NO.	1	4	2		4	6		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	500.00	22C.00	23C.C0	47.00	100.00	195.C0		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]								
TOTAL ASH: COLLECTED (1,000 TONS)[10]	2.7D	71.C0	60.59			25.42		
SOLD (1,000 TONS)[11]	.10	7.C0						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
EQUIVALENT OF AC1O COLLECTED (1,000 TONS)[12]								
ELEMENTAL AND EQUIVALENT OF AC1O SOLD (1,000 TONS)								
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		253.00						
ELECTROSTATIC PRECIPITATORS ($1,000)		200.00						
COMBINATION PRECIPITATORS ($1,000)[4]			535.0C			211.20		
DESULFURIZATION SYSTEMS ($1,000)								
STACKS ($1,000)	265.00	281.C0	225.00			23.50		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		76.00	17.10			94.70		
REVENUES FROM SALE OF ASH ($1,000)	36.80	7.C0						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		76.00	17.18			130.50		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	36.80	7.00						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	DELAWARE RIVER	DELAWARE RIVER	INDIAN RIVER	CITY WATER		DETROIT RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	150.CO	630.00	335.00	.96		200.70		
AVERAGE RATE OF DISCHARGE (CFS)	150.00	63C.00	335.00	.19		200.70		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.29	5.42	2.88	.77		1.73		
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	JUL JAN	AUG	DEC	AUG	CEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 41.00	82.00 41.CD	91.00 38.00	85.00	53.00	75.00	34.00	
AT OUTFALL, SUMMER - WINTER		90.00 59.00	99.00 48.00			85.00	44.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	5,0C0.00	5,000.00	2,507.00		.44		210,000.00	
- WINTER	12,000.00	12,00C.C0	2,507.C0		.19		210,CCC.CC	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	0			0		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.55	.48	.80	5.73	.02		.50	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	590.00	3.60	.44		.03		17.80	
LIME (TONS), COOLING WATER - BOILER MAKEUP	33.20							
ALUM (TONS), COOLING WATER - BOILER MAKEUP								
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	14.10	26.00	62.00	8.62		9.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	NO YES	YES	NO	YES		YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	ST	ST	PS		PS		
PH, RECEIVING WATER BODY[19]		DRAIN FIELD						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		9.00	3.60	7.60		10.90		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		1,150.CO		8.00		1,500.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					55.00		668.90	
- ASH SETTLING		475.40	1,463.90					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 389.00				6 174.00		
ONCE THROUGH COOLING (SALINE)	3 130.00		2 163.20					
COOLING POND(S)								
COOLING TOWER(S)				4	123.80			
COMBINATIONS[21]								
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1956 1961	1951 1966	1957 1959	1955	1966	1927	1956	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.C0		12.00	12.00	16.00		1C.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	154.00	584.00	335.00		102.0C		443.5C	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	154.0D	694.00	335.00				212.50	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		2,533.00	135.00					
COOLING PONDS ($1,000)								
COOLING TOWERS ($1,000)					419.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		76.50	2C.30		1C.2C		3.30	
COST OF CHEMICAL ADDITIVES ($1,000)		5.60	5.5D		7.3C		1.30	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		60.00	15.90		1C.20		21.60	
COST OF CHEMICAL ADDITIVES ($1,000)		11.8C	6.7C		.7C		2.12	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	DUKE POWER CO.	DUKE POWER CO.	DUKE POWER CO.	DUKE POWER CO.	DUKE POWER CO.	1
2							2
3							3
4	NAME OF PLANT	ALLEN	BUCK	CLIFFSIDE	DAN RIVER	LEE	4
5	UTILITY-PLANT CODE	139500-C2C0	139500-G500	139500-0800	1395CC-1G0C	1395CC-19CC	5
6	STATE	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	SOUTH CAROLINA	6
7	COUNTY	GASTON	ROWAN	CLEVELAND	ROCKINGHAM	ANDERSON	7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	167 C3	167 03	165 C3	136 03	202 03	8
9	PLANT CAPACITY (MW)	1,155.C0	44C.0C	21C.00	290.00	345.C0	9
10	ANNUAL GENERATION (MWH) [3]	8,198,600	2,895,400	1,379,0CC	1,980,30G	2,675,60G	10
11	PLANT HEAT RATE (BTU/KWH) [3]	9,122	10,711	11,1C2	9,838	9,809	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	3,074.C0	1,243.00	6C1.00	778.0C	1,C01.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)	12,I63	12,470	12,728	12,514	11,907	13
14	AVERAGE SULFUR CONTENT (%)	1.00	1.00	1.0G	1.0C	1.00	14
15	AVERAGE ASH CONTENT I%)	13.46	13.28	12.40	12.39	12.75	15
16	AVERAGE MOISTURE CONTENT (%)	5.50	5.03	4.50	5.25	7.13	16
17	OIL: CONSUMPTION I1,000 BARRELS)						17
18	AVERAGE HEAT CONTENT (BTU/GAL)						18
19	AVERAGE SULFUR CONTENT (%)					2,322.00	19
20	GAS: CONSUMPTION (1,000 MCF)					1,034	20
21	AVERAGE HEAT CONTENT IBTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	9	4	3	3	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	2			I	1	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	3	2	2			26
27	- NO. WITH COMBINATION PRECIPITATORS [4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 19.00	23.0C	22.8C	19.00 22.0C	22.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00			85.00	85.00	30
31	TESTED, LOW - HIGH	81.60			74.80	89.10	31
32	ESTIMATED, LOW - HIGH	81.60			70.00	81.6C	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	97.0C	95.0C	95.00			33
34	TESTED, LOW - HIGH	96.90 97.00	83.10	87.60			34
35	EST., LOW - HIGH	83.00 88.00		77.20			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	51.41	65.26	32.51	53.37	65.46	39
40	SULFUR DIOXIDE I1,000 TONS)	60.26	24.37	11.78	15.26	19.63	40
41	NITROGEN OXIDES 11,C00 TONS)	27.67	11.19	5.41	7.01	9.47	41
42	STACKS: - TOTAL NO.	5	9	4	4	6	42
43	- HEIGHT IFEET), LOWEST - HIGHEST [8]	252.25 176.30	215.5C	154.00 159.00	180.00 188.00	213.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	364.40	105.85	43.0C	45.80	70.09	45
46	SOLD 11,000 TONS) [11]	5.00			5.40		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	178.00			93.0C	97.0C	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,335.00	I,248.G0	74C.00			51
52	COMBINATION PRECIPITATORS ($1,000) [4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	594.60	53.28	38.14	57.98	56.82	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	76.60	52.51	24.00	5.22	32.81	55
56	REVENUES FROM SALE OF ASH ($1,000)	9.60			5.4C		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	76.60	52.50	24.00	5.20	32.81	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	9.60			5.40		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE WYLIE	HIGH ROCK LAKE	BROAD RIVER	DAN RIVER	SALUDA RIVER	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1,CC8.00	731.50	341.00	360.50	415.6G	62
63	AVERAGE RATE OF DISCHARGE (CFS)	1,C08.C0	731.50	341.00	36C.5C	411.40	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	8.67	6.29	2.93	3.IC	4.2G	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL OEC	JUL DEC	JUL OEC	JUL OEC	JUL OEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 54.00	87.00 46.CC	84.00 47.C0	85.00 45.00	87.00 47.C0	66
67	AT OUTFALL, SUMMER - WINTER	109.00 83.00	102.00 66.C0	100.00 7C.00	99.00 74.0G	107.00 77.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						68
69	- WINTER						69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	H	H	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP						71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01				.02	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		76.00		33.0G		75
76	OTHER IYES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST/OT	ST/OT	ST/OT	OT	ST/CT	77
78	RECEIVING WATER BODY [19]	LAKE WYLIE	YADKIN RIVER	BROAD RIVER	DAN RIVER	SALUDA RIVER	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	1C.70	9.00	8.80		7.50	79
80	SUSPENDED SOLIDS IPPM), BOILER BLOWDOWN - ASH SETTLING						80
81	VOLUME (1,COO CUFT/YR), BOILER BLOWDOWN						81
82	- ASH SETTLING						82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 1,155.00	6 44C.CC	4 21C.00	3 290.00		83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS)						85
86	COOLING TOWERS)						86
87	COMBINATIONS [21]					3 355.G0	87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1957 1961	1926 I953	I940 I948	1949 1955	1951 1958	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS IDEG. F), SMALLEST - LARGEST [22]	17.70 18.00	11.70 13.90	13.40 14.20	14.20 16.2C	I4.90 I6.80	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	I,214.10	900.00	407.60	433.1C	494.70	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,334.C0	90C.00	416.C0	441.00	363.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS I$I,00C)	4,0C0.C0	727.CC	359.G0	855.C0	552.00	92
93	COOLING PONDS I$1,C0C)						93
94	COOLING TOWERS ($1,000)					951.C0	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)						95
96	COST OF CHEMICAL ADDITIVES ($1,0C0)		8.0C		4.G0		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($I,000)						97
98	COST OF CHEMICAL ADDITIVES I$1,000)	6.00	1.C0	1.00	1.00	1.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	OUKE POWER CO.	OUKE POWER CO.	OUKE POWER CO.	OUQUESNE LIGHT CO.		OUQUESNE LIGHT CO.	
4	NAME OF PLANT	MAPSHALL		RIVERBEND	TIGER		COLFAX	ELRAMA
5	UTILITY-PLANT CODE	139500-2200		139500-2600	139500-3000		1400C0-0100	1400C0-0200
6	STATE	NORTH CAROLINA		NORTH CAROLINA	SOUTH CAROLINA		PENNSYLVANIA	PENNSYLVANIA
7	COUNTY	CATAWBA		GASTON	SPARTANBURG		ALLEGHENY	WASHINGTON
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	165 03		167 03	202 03		197 05	197 05
9	PLANT CAPACITY (MW)	1,350.00		631.00	30.00		262.50	510.00
10	ANNUAL GENERATION (MWH) [3]	9,232,900		4,039,000	35,800		819,400	3,279,200
11	PLANT HEAT RATE (BTU/KWH) [3]	8,707		10,923			22,839	10,751

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	3,311.00	1,746.00	41.22	765.49		1,540.86	
13	AVERAGE HEAT CONTENT (BTU/LB)	12,141	12,637	13,700	12,221		11,425	
14	AVERAGE SULFUR CONTENT (%)	1.00	1.00	1.00	1.45		1.88	
15	AVERAGE ASH CONTENT (%)	13.78	11.15	6.00	13.95		17.58	
16	AVERAGE MOISTURE CONTENT (%)	5.59	5.36	4.00	4.37		5.64	
17	OIL: CONSUMPTION (1,000 BARRELS)							
18	AVERAGE HEAT CONTENT (BTU/GAL)							
19	AVERAGE SULFUR CONTENT (%)							
20	GAS: CONSUMPTION (1,000 MCF)							
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)							

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	10	8	22		4	
23	- NO. OF WET BOTTOM							
24	- NO. WITH FLY ASH REINJECTION							
25	- NO. WITH MECHANICAL PRECIPITATORS	2			6			
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	1	4		2			
27	- NO. WITH COMBINATION PRECIPITATORS [4]						4	
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	18.00 20.00	44.00	40.00	25.00	50.00	18.00	25.00
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00			91.60	92.20		
31	TESTED, LOW - HIGH	90.40			63.00	85.00		
32	ESTIMATED, LOW - HIGH	85.00			73.00	82.00		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	99.00	94.50		93.00	95.00	97.90	98.30
34	TESTED, LOW - HIGH	95.20	87.90			78.00	64.50	98.00
35	EST., LOW - HIGH					80.00		
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	45.34	48.97	1.61	44.07		24.28	
40	SULFUR DIOXIDE (1,000 TONS)	64.90	34.21	.81	21.75		56.78	
41	NITROGEN OXIDES (1,000 TONS)	29.80	15.71	.31	6.20		13.87	
42	STACKS: - TOTAL NO.	3	14	2	6		4	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	280.50 216.75	226.75	217.00	355.00	362.00	272.00	292.00
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	415.40	137.70	2.50	77.08		260.93	
46	SOLD (1,000 TONS) [11]	2.20			60.88			
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	444.00			402.50			
51	ELECTROSTATIC PRECIPITATORS ($1,000)	705.00	2,526.00		319.20			
52	COMBINATION PRECIPITATORS ($1,000) [4]						1,803.50	
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	726.80	108.72		515.50		352.80	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	92.00	83.21	19.10			207.22	
56	REVENUES FROM SALE OF ASH ($1,000)	4.33			37.02			
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	91.99	83.64	19.10	164.00		641.00	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	4.33			37.02			

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE NORMAN	MTN. ISLAND LAKE	MIDDLE TIGER R.	ALLEGHENY RIVER		MONONGAHELA RIVER	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1,720.80	888.70	1.86	499.00		589.50	
63	AVERAGE RATE OF DISCHARGE (CFS)	1,720.80	888.70	1.86	498.00		589.00	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	14.80	7.64		4.29	1.00	5.07	.50
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	JUL JAN	JUL	DEC	JUL	DEC
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	63.00 53.00	85.00 54.00	89.00 46.00	82.00	48.00	94.00	44.00
67	AT OUTFALL, SUMMER - WINTER	86.00 78.00	100.00 72.00	110.00 54.00	93.00	62.00	112.00	67.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					9,075.00		5,469.00
69	- WINTER					30,030.00		8,435.00
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	H	H	H		H	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.01			6.75		2.05	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP				.21		.01	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP				36.00		22.00	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES YES		NO	YES	NO	YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	ST/OT	ST	PS		ST	
78	RECEIVING WATER BODY [19]	LAKE NORMAN	MTN. ISLAND LAKE	MIDDLE TIGER R.				
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.80	9.40				9.00	
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						60.00	
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82	- ASH SETTLING						343,000.00	

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	3 1,350.00	7 631.00		4 262.50		4 510.28	
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING POND(S)							
86	COOLING TOWER(S)							
87	COMBINATIONS [21]			2 30.00				
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965 1969	1929 1954	1924	1921	1927	1952	1960
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	17.00 18.30	12.60 15.70			12.00		20.00
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,448.10	1,076.20	1.86				
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,448.10	1,100.00	1.87				

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	3,539.00	383.00		751.60		1,981.00	
93	COOLING PONDS ($1,000)							
94	COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)							
96	COST OF CHEMICAL ADDITIVES ($1,000)				3.42		2.09	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)							
98	COST OF CHEMICAL ADDITIVES ($1,000)	3.00	4.00		9.81		3.29	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	DUQUESNE LIGHT CO.	DUQUESNE LIGHT CO.	DUQUESNE LIGHT CO.	EAST KENTUCKY RURAL ELECTRIC CODR.	EAST KENTUCKY RURAL ELECTRIC CODR.		
4 NAME OF PLANT	PHILLIPS	REED	SHIRRINGPORT	CDOPER	DALE		
5 UTILITY-PLANT CODE	14000-C30D	14000-G40C	14000G-C5G0	1415CC-D10G	1415GD-C2CC		
6 STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	KENTUCKY	KENTUCKY		
7 COUNTY	ALLEGHENY	ALLEGHENY	BEAVER	PULASKI	CLARK		
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	197 C5	197 05	197 C5	105 C5	102 C5		
9 PLANT CAPACITY (MW)	411.GO	18D.CD	1CC.0C	354.00	194.00		
10 ANNUAL GENERATION (MWH)[3]	2,671,300	827,8GG	283,365	935,100	578,8DD		
11 PLANT HEAT RATE (BTU/KWH)[3]	11,552	17,147		9,977	11,574		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	1,365.20	559.49		419.77	269.00		
13 AVERAGE HEAT CONTENT (BTU/LB)	11,294	12,685		11,503	12,282		
14 AVERAGE SULFUR CONTENT (%)	1.72	1.70		2.9C	.66		
15 AVERAGE ASH CONTENT (%)	17.74	12.58		13.63	9.18		
16 AVERAGE MOISTURE CONTENT (%)	5.60	3.16		6.41	7.3E		
17 OIL: CONSUMPTION (1,000 BARRELS)				2.5C			
18 AVERAGE HEAT CONTENT (BTU/GAL)				138,600			
19 AVERAGE SULFUR CONTENT (%)				.12			
20 GAS: CONSUMPTION (1,000 MCF)							
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)							

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	6	6		2	4		
23 - NO. OF WET BOTTOM							
24 - NO. WITH FLY ASH REINJECTION							
25 - NO. WITH MECHANICAL PRECIPITATORS				2	4		
26 - NO. WITH ELECTROSTATIC PRECIPITATORS							
27 - NO. WITH COMBINATION PRECIPITATORS[4]	6						
28 - NO. WITH DESULFURIZATION SYSTEMS							
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	26.CO	37.00		2C.00	20.0C		
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				81.00 85.00	85.00		
31 TESTED, LOW - HIGH							
32 ESTIMATED, LOW - HIGH				81.00 85.00	85.0G		
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00 98.20						
34 TESTED, LOW - HIGH	78.00 97.00						
35 EST., LOW - HIGH							
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37 TESTED, LOW - HIGH							
38 ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	26.15	45.75		7.8C	3.14		
40 SULFUR DIOXIDE (1,0GO TONS)	46.02	18.64		23.86	3.47		
41 NITROGEN OXIDES (1,CDO TONS)	12.29	4.20		3.78	2.41		
42 STACKS: - TOTAL NO.	6	2		I	2		
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00 300.50	250.GO		26G.00	150.00		
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	233.15	75.40		49.13	21.00		
46 SOLD (1,GOO TONS)[11]	.50	75.40					
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				170.00	129.56		
51 ELECTROSTATIC PRECIPITATORS ($1,000)							
52 COMBINATION PRECIPITATORS ($1,000)[4]	2,485.60						
53 DESULFURIZATION SYSTEMS ($1,000)							
54 STACKS ($1,000)	310.80	88.40		107.00	60.00		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	167.59			370.70			
56 REVENUES FROM SALE OF ASH ($1,000)	.55	15.08					
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	465.45	112.00		370.70			
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	.55	15.08					

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	OHIO RIVER	OHIO RIVER	OHIO RIVER	CUMBERLAND RIVER	KENTUCKY RIVER		
62 AVERAGE RATE OF WITHDRAWAL (CFS)	619.10	488.60	199.04	355.00	181.00		
63 AVERAGE RATE OF DISCHARGE (CFS)	618.00	487.00	199.00	351.00	181.00		
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.32 1.10	4.20 1.60	1.71 .04	3.05 4.00			
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	AUG DEC	JUN JAN		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 42.00	84.00 42.00	85.00 41.00		83.00 48.00		
67 AT OUTFALL, SUMMER - WINTER	98.00 68.00	97.00 59.00	101.00 72.00	92.00 63.00	88.00 48.00		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	17,564.00	17,570.00	19,168.00	351.00	330.40		
69 - WINTER	41,926.00	41,940.00	4,847.00	351.00	209.60		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]	H	H	H	C	C		
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.58	3.35	.28	.48	.38		
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP							
73 LIME (TONS), COOLING WATER - BOILER MAKEUP				4.58	2.50		
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP				1G.35	5.00		
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	60.00	23.75	25.00	.09	1.00 .25		
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	ND YES	NO YES	ND YES	YES YES	ND YES		
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, DT[18]	RS	DT	ST	DT	ST		
78 RECEIVING WATER BODY[19]		OHIO RIVER		CUMBERLAND RIVER	KENTUCKY RIVER		
79 POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	8.00						
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	50.CO						
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82 - ASH SETTLING	328,CCO.GO				260,8CC.00		

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 411.18	3 18C.00	1 100.00	2 354.00			
84 ONCE THROUGH COOLING (SALINE)							
85 COOLING POND(S)							
86 COOLING TOWER(S)							
87 COMBINATIONS[21]					4 194.00		
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1942 1956	1930 1941	1956	1963 1968	1958		
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	2G.00	15.00	25.00	1C.00	15.CO		
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)				355.00	33C.40		
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				355.CC	333.0C		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	1,113.40	913.90	1,562.70	4,014.CC	1,538.CO		
93 COOLING PONDS ($1,CCC)							
94 COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)							
96 COST OF CHEMICAL ADDITIVES ($1,000)	5.70	2.26	2.38				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,CCO)							
98 COST OF CHEMICAL ADDITIVES ($1,CCO)	1.98	9.41	.87	8.0C	10.00		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	EL PASO ELECTRIC CO.	EL PASO ELECTRIC CO.	ELECTRIC ENERGY INC.	EMPIRE DIST. ELECTRIC CO.	EUGENE WATER & ELECTRIC BD.		
NAME OF PLANT	NEWMAN	RIO GRANDE	JOPPA	RIVERTON	EUGENE		
UTILITY-PLANT CODE	14450C-C100	144500-0200	14550C-0100	1490CG-0300	153000-0300		
STATE	TEXAS	NEW MEXICO	ILLINDIS	KANSAS	OREGON		
COUNTY	EL PASO	DONA ANA	MASSAC	CHEROKEE	LANE		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	153 13	153 13	072 05	098 11	193 17		
PLANT CAPACITY (MW)	265.80	235.00	1,100.25	155.00	33.80		
ANNUAL GENERATION (MWH)[3]	1,699,800	698,500	8,139,800	726,000	2,329		
PLANT HEAT RATE (BTU/KWH)[3]	10,599	12,301	9,758				

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			3,495.70	18.86	.06		
AVERAGE HEAT CONTENT (BTU/LB)			11,393	11,955	11,500		
AVERAGE SULFUR CONTENT (%)			2.53	3.50	2.50		
AVERAGE ASH CONTENT (%)			10.56	13.28	11.50		
AVERAGE MOISTURE CONTENT (%)			10.83	3.84	8.50		
OIL: CONSUMPTION (1,000 BARRELS)		9.30			.62		
AVERAGE HEAT CONTENT (BTU/GAL)		151,088			140,000		
AVERAGE SULFUR CONTENT (%)		1.70			.20		
GAS: CONSUMPTION (1,000 MCF)	16,751.00	7,996.00		8,229.85			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,075	1,066		1,031			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	8	6	20	3		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION					3		
- NO. WITH MECHANICAL PRECIPITATORS			6	2	2		
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	5.00 5.00 15.00		18.00	17.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00	85.00			
TESTED, LOW - HIGH				85.10 85.30			
ESTIMATED, LOW - HIGH			80.00	86.00	95.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)			62.75	.30			
SULFUR DIOXIDE (1,000 TONS)		.05	173.34	1.29			
NITROGEN OXIDES (1,000 TONS)	3.24	1.57	31.46	1.77			
STACKS: - TOTAL NO.	3	8	3.	4	3		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	121.00 128.00	104.00 139.00	250.00	120.00 250.00	63.00 65.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]			312.30	2.37			
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			920.00	145.91			
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	35.00	118.00	756.00	143.87			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			461.00	5.40			
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				5.40			
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WELLS	WELLS	OHIO RIVER	SPRING RIVER	WILLAMETTE RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	4.85	3.55	876.90	209.65			
AVERAGE RATE OF DISCHARGE (CFS)		1.24	876.90	207.17			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.46	2.31	7.54	1.80 2.48			
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL FEB	JUL DEC			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			86.00 41.00	91.00 44.50			
AT OUTFALL, SUMMER - WINTER			112.00 68.00	101.10 53.70			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			168,000.00	339.00			
- WINTER			585,400.00	712.50			
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]			C	H			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	8.00 .60	13.85 .61	11.50	.65			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.15	1.30	66.12	196.51			
LIME (TONS), COOLING WATER - BOILER MAKEUP				14.48			
ALUM (TONS), COOLING WATER - BOILER MAKEUP				.45			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	3.95	7.80	66.00	6.60			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES	YES YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	SW	PS		
RECEIVING WATER BODY[19]			OHIO RIVER	SPRING RIVER			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.50		11.50	10.35 7.70			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00		25.00	180.00 200.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				137.56			
- ASH SETTLING			432,000.00				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			6 1,100.28	7 155.00	1 33.80		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)	3 265.80	7 235.00					
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960 1966	1951 1958	1953 1955	1909 1954			
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	21.10 28.20	13.40 22.10	24.00	14.00 18.00			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	257.00	413.00	913.20	377.87			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			1,100.00	418.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			9,470.00	161.24			
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)	753.00	1,232.00		23.99			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	112.00	144.00	58.80	9.30			
COST OF CHEMICAL ADDITIVES ($1,000)	17.80	12.10	8.10	4.58			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.40	10.40	24.80	11.54			
COST OF CHEMICAL ADDITIVES ($1,000)	5.90	5.40	60.60	1.24			

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	
NAME OF PLANT	AVON PARK	BAYBORO	CRYSTAL RIVER	TURNER	HIGGINS	
UTILITY-PLANT CODE	165500-C100	165500-0200	1655CC-C300	1655CC-C400	165500-C500	
STATE	FLORIDA	FLORIDA	FLORIDA	FLORIDA	FLORIDA	
COUNTY	HIGHLANDS	PINELLAS	CITRUS	VOLUSIA	PINELLAS	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	051 C3	052 03	C52 03	048 03	052 03	
PLANT CAPACITY (MW)	61.00	51.30	964.30	187.50	138.00	
ANNUAL GENERATION (MWH)[3]	235,000		2,212,700	1,156,400	719,700	
PLANT HEAT RATE (BTU/KWH)[3]	12,274		9,629	11,476	11,734	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)				940.00		
AVERAGE HEAT CONTENT (BTU/LB)				11,314		
AVERAGE SULFUR CONTENT (%)				3.25		
AVERAGE ASH CONTENT (%)				10.00		
AVERAGE MOISTURE CONTENT (%)				11.40		
OIL: CONSUMPTION (1,000 BARRELS)	13.00	215.00	7.00	19.00	1,077.00	
AVERAGE HEAT CONTENT (BTU/GAL)	150,990	149,760	126,867	149,119	150,101	
AVERAGE SULFUR CONTENT (%)	2.40	2.40	2.40	2.40	2.40	
GAS: CONSUMPTION (1,000 MCF)	2,726.00			12,789.00	1,609.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,028			1,028	1,028	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3		3		2		5		3			
- NO. OF WET BOTTOM												
- NO. WITH FLY ASH REINJECTION												
- NO. WITH MECHANICAL PRECIPITATORS												
- NO. WITH ELECTROSTATIC PRECIPITATORS					1							
- NO. WITH COMBINATION PRECIPITATORS[4]												
- NO. WITH DESULFURIZATION SYSTEMS												
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	20.00	15.00	20.00	15.00	25.00	10.00	18.00		20.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH												
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						95.00						
TESTED, LOW - HIGH												
EST., LOW - HIGH						95.00						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH												

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)			.04		73.28				.18			
SULFUR DIOXIDE (1,000 TONS)	.10		1.73		59.93		.15		8.67			
NITROGEN OXIDES (1,000 TONS)	.56		.47		8.48		2.54		2.65			
STACKS: - TOTAL NO.	3		2		2.		6		3			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	149.00	196.00	202.00	203.00	499.00		150.00	237.00	174.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.10									
TOTAL ASH: COLLECTED (1,000 TONS)[10]			.02		82.20							
SOLD (1,000 TONS)[11]			.02									
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)												
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]												
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)												
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)												
ELECTROSTATIC PRECIPITATORS ($1,000)					750.00							
COMBINATION PRECIPITATORS ($1,000)[4]												
DESULFURIZATION SYSTEMS ($1,000)												
STACKS ($1,000)	48.00		65.00		1,194.00		141.00		52.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			.50		40.00				1.00			
REVENUES FROM SALE OF ASH ($1,000)			.20									
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)												
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)												
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			.50		40.00				1.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)			.20									

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE LOTELA		TAMPA BAY		GULF OF MEXICO		LAKE MONROE		TAMPA BAY			
AVERAGE RATE OF WITHDRAWAL (CFS)	62.00		33.00		573.00		204.00		173.00			
AVERAGE RATE OF DISCHARGE (CFS)	62.00		33.00		573.00		204.00		173.00			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.53		.28		4.93		1.75		1.49			
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL	DEC	JUL	JAN	MAY	DEC	JUL	NOV	AUG	FEB		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00	65.00	92.00	64.00	82.00	59.00	93.00	70.00	86.00	64.00		
AT OUTFALL, SUMMER - WINTER	97.00	72.00	99.00	71.00	86.00	63.00	100.00	77.00	93.00	71.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER												
- WINTER												
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C		C		C		C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.09		.03				.03		.03		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.09		.04		2.84		2.63		.10		
LIME (TONS), COOLING WATER - BOILER MAKEUP						80.00						
ALUM (TONS), COOLING WATER - BOILER MAKEUP												
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP												
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		PS		ST		ST		ST			
RECEIVING WATER BODY[19]												
BOND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING									5.50			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING									200.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN												
- ASH SETTLING												

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2	61.00					4	187.50				
ONCE THROUGH COOLING (SALINE)			3	51.30	2	964.30			3	138.00		
COOLING POND(S)												
COOLING TOWER(S)												
COMBINATIONS[21]												
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1928	1952	1941	1949	1966	1969	1926	1959	1951	1954		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		10.00		10.00		10.00		10.00		10.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		166.00		188.00		1,448.00		319.00		351.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		166.00		188.00		1,420.00		319.00		351.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	465.00	345.00	5,872.00	674.00	516.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			5.00		8.00	
COST OF CHEMICAL ADDITIVES ($1,000)		1.00	6.00	1.00	7.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	7.00	15.00	29.00	17.00	15.00	
COST OF CHEMICAL ADDITIVES ($1,000)			5.00	1.00		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	
NAME OF PLANT	INGLIS	BARTOW	SUWANNEE	CAPE KENNEDY	CUTLER	
UTILITY-PLANT CODE	16550C-06CC	16550D-DRDC	16550C-09CC	16650C-D10D	16650D-02GC	
STATE	FLORIDA	FLORIDA	FLORIDA	FLORIDA	FLORIDA	
COUNTY	LEVY	PINELLAS	SUWANNEE	BREVARD	DADE	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	052 C3	052 D3	049 D3	D48 03	050 C3	
PLANT CAPACITY (MW)	53.80	494.40	147.00	804.28	346.25	
ANNUAL GENERATION (MWH)[3]	20,148	3,149,60D	661,30C	3,472,600	962,90D	
PLANT HEAT RATE (BTU/KWH)[3]	15,453	9,669	11,727	9,737	12,125	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	29.00	4,738.00	372.00	2,600.00	130.00	
AVERAGE HEAT CONTENT (BTU/GAL)	150,477	148,724	148,537	149,937	150,600	
AVERAGE SULFUR CONTENT (%)	2.40	2.40	2.40	2.34	.99	
GAS: CONSUMPTION (1,000 MCF)	123.00	838.00	5,178.00	17,440.00	10,855.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,028	1,028	1,050	1,000	1,000	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5		3		3		2		4			
- NO. OF WET BOTTOM												
- NO. WITH FLY ASH REINJECTION							2		4			
- NO. WITH MECHANICAL PRECIPITATORS							2		4			
- NO. WITH ELECTROSTATIC PRECIPITATORS												
- NO. WITH COMBINATION PRECIPITATORS[4]												
- NO. WITH DESULFURIZATION SYSTEMS												
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	14.00	16.00	2.50	7.00	13.00	18.00	10.00	10.00	20.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							84.00		88.00			
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH							84.00		88.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
EST., LOW - HIGH												
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH												

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.80	.06	.07		
SULFUR DIOXIDE (1,000 TONS)	.23	38.15	2.99	20.41	.43	
NITROGEN OXIDES (1,000 TONS)	.09	10.61	1.83	9.13	2.40	
STACKS: - TOTAL NO.	3	3	3	2	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	125.00	300.00	110.00 135.00	397.00	150.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				.10		
TOTAL ASH: COLLECTED (1,000 TONS)[10]		.30		.20		
SOLD (1,000 TONS)[11]		.30				
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				366.10	309.60	
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	39.00	480.00	71.00	839.60	195.90	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		5.00	2.00	26.00	12.50	
REVENUES FROM SALE OF ASH ($1,000)		42.00				
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		5.00	2.00	1,216.00	894.50	
TOTAL BYPRODUCT SALES REVENUES ($1,000)		42.00				

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WITHLACOOCHEE R.		TAMPA BAY		SUWANNEE RIVER		INDIAN RIVER		BISCAYNE BAY			
AVERAGE RATE OF WITHDRAWAL (CFS)		.80		664.00		108.00		998.00		371.00		
AVERAGE RATE OF DISCHARGE (CFS)		.80		664.00		108.00		998.00		371.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.01		5.71		.93		8.58		3.19			
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL		JUN	DEC	JUL	NOV	AUG	OEC	AUG	OEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00	66.00	89.00	62.00	80.00	66.00	94.00	73.00	93.00	76.00		
AT OUTFALL, SUMMER - WINTER	87.00	73.00	95.00	67.00	85.00	71.00	106.00	84.00	112.00	93.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,400.00				6,429.00						
- WINTER		1,400.00				6,429.00						
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	D		C		C		C		C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP				.26		.02		1.23		1.30		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			.49	.13		.07		76.91				
LIME (TONS), COOLING WATER - BOILER MAKEUP								65.02		22.05		
ALUM (TONS), COOLING WATER - BOILER MAKEUP						1.67						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]							58.95		18.00	.54		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES	YES		YES		YES	NO	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		ST		ST		ST		ST			
[19] RECEIVING WATER BODY												
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			5.50		5.50			8.00		7.50		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			200.00		200.00							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						.10						
- ASH SETTLING								4,690.00		673.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3	53.80			3	147.00						
ONCE THROUGH COOLING (SALINE)			3	494.40			2	804.10	4	346.25		
COOLING PONDS												
COOLING TOWERS												
COMBINATIONS[21]												
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1926	1947	1958	1963	1953	1956	1965	1969	1949	1955		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		10.00		10.00		10.00		14.10	14.90	18.10		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		173.00		809.00		268.00		1,226.00		484.30		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		173.00		869.00		268.00		1,280.00		504.50		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	409.00	3,913.00	1,254.00	1,849.30	2,134.80	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	1.00	5.00	24.80	22.00	
COST OF CHEMICAL ADDITIVES ($1,000)		1.00		10.50	2.50	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00	15.00	16.00	26.90	11.00	
COST OF CHEMICAL ADDITIVES ($1,000)		3.00	1.00	20.70	3.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.		
NAME OF PLANT	FORT MYERS	LAUDERDALE	MIAMI	PORT EVERGLADES	PALATKA		
UTILITY-PLANT CODE	166500-0400	166500-0500	166500-0600	166500-0900	166500-1000		
STATE	FLORIDA	FLORIDA	FLORIDA	FLORIDA	FLORIDA		
COUNTY	LEE	BROWARD	DADE	BROWARD	PUTNAM		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	051 C3	050 03	050 03	050 C3	049 C3		
PLANT CAPACITY (MW)	558.30	312.50	46.00	1,268.35	109.60		
ANNUAL GENERATION (MWH)[3]	1,235,200	1,061,200	159,443	6,919,700	296,000		
PLANT HEAT RATE (BTU/KWH)[3]	10,063	10,708	14,087	9,980	11,860		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)							
AVERAGE HEAT CONTENT (BTU/LB)							
AVERAGE SULFUR CONTENT (%)							
AVERAGE ASH CONTENT (%)							
AVERAGE MOISTURE CONTENT (%)							
OIL: CONSUMPTION (1,000 BARRELS)	1,976.00	605.00	1.00	5,410.00	452.00		
AVERAGE HEAT CONTENT (BTU/GAL)	149,757	149,473	151,476	150,275	148,409		
AVERAGE SULFUR CONTENT (%)	2.42	2.45	2.00	2.01	2.35		
GAS: CONSUMPTION (1,000 MCF)		7,564.00	2,238.00	34,917.00	695.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000	1,000	1,000	1,000		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	2	2	4	2		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION	1		2	4			
- NO. WITH MECHANICAL PRECIPITATORS	1		2	4			
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 14.00	14.00	15.00	10.00	10.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	84.00		88.00	85.00 88.00			
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH	84.00		88.00	85.00 86.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.18	.10	.12	.08			
SULFUR DIOXIDE (1,000 TONS)	16.04	4.97	.01	36.48	3.56		
NITROGEN OXIDES (1,000 TONS)	4.36	2.81	.44	18.74	1.13		
STACKS: - TOTAL NO.	2	2	2	4	1		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	302.00 407.00	151.00	151.00	343.00 344.00	150.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.10			.20			
TOTAL ASH: COLLECTED (1,000 TONS)[10]	.10			.30			
SOLD (1,000 TONS)[11]				.10			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			42.20	767.90			
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	188.30		40.40	1,347.50	35.20		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	30.40	21.30	12.20	50.80	14.00		
REVENUES FROM SALE OF ASH ($1,000)		2.70		9.90			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	81.90	514.20	180.20	3,599.80	40.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	1.80	2.70		9.90			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CALOOSAHATCHEE R.	DANIA CUTOFF CAN.	MIAMI RIVER	LAKE MABEL	ST. JOHN'S RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	504.00	424.00	74.00	1,786.00	142.00		
AVERAGE RATE OF DISCHARGE (CFS)	504.00	424.00	74.00	1,786.00	142.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	4.33	3.65	.64	15.36	1.22		
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	91.00 69.00	90.00 73.00	90.00 74.00	95.00 83.00	90.00 65.00		
AT OUTFALL, SUMMER - WINTER	102.00 81.00	94.00 77.00	113.00 92.00	103.00 94.00	105.00 72.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	4,153.00	532.00	403.00				
- WINTER	4,779.00	836.00	406.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.28	.09	.35	1.11	.10		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	147.37	26.25		263.29			
LIME (TONS), COOLING WATER - BOILER MAKEUP	27.48	26.50			.41		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	.36	2.00			.04		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	4.00 .68	18.90 .60	1.83	20.42 1.19	9.13		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	NO YES	NO YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	ST	ST		
[19] RECEIVING WATER BODY							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50	7.50		7.50			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	1,500.00	250.00		1,600.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 558.30	2 312.50			2 109.50		
ONCE THROUGH COOLING (SALINE)			1 46.00	4 1,254.60			
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958 1969	1957 1958	1948	1960 1965	1951 1956		
DESIGN: TEMP. RISE ACROSS CONCENSERS (DEG. F), SMALLEST - LARGEST[22]	11.20 14.10	13.20	19.20	13.10 14.10	13.30 18.60		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	868.00	516.00	71.75	1,940.00	186.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	906.00	532.00	81.30	1,994.00	200.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,016.60		847.60	5,170.60	620.30		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.70	32.40	5.80	30.40	12.40		
COST OF CHEMICAL ADDITIVES ($1,000)	.50	2.50	.40	2.60	1.40		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	32.30	4.20	40.20	6.70		
COST OF CHEMICAL ADDITIVES ($1,000)	31.00	11.10	.30	42.60	.80		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	GARLAND MUNICIPAL UTILITIES	GARLAND MUNICIPAL UTILITIES	
4	NAME OF PLANT	RIVERIA	SANFORD NEW	TURKEY POINT	NEWMAN	OLINGER	
5	UTILITY-PLANT CODE	166500-1100	166500-1200	166500-1300	177500-0100	177500-0300	
6	STATE	FLORIDA	FLORIDA	FLORIDA	TEXAS	TEXAS	
7	COUNTY	PALM BEACH	VOLUSIA	DADE	DALLAS	COLLIN	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	050 03	048 03	050 03	215 12	215 12	
9	PLANT CAPACITY (MW)	739.79	156.35	818.35	96.50	75.00	
10	ANNUAL GENERATION (MWH) [3]	3,311,100	494,400	4,451,300	200,277	269,419	
11	PLANT HEAT RATE (BTU/KWH) [3]	10,144	10,667	9,702	12,586	11,164	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)							
13	AVERAGE HEAT CONTENT (BTU/LB)							
14	AVERAGE SULFUR CONTENT (%)							
15	AVERAGE ASH CONTENT (%)							
16	AVERAGE MOISTURE CONTENT (%)							
17	OIL: CONSUMPTION (1,000 BARRELS)	2,449.00	522.00	4,541.00				
18	AVERAGE HEAT CONTENT (BTU/GAL)	149,601	148,584	149,295				
19	AVERAGE SULFUR CONTENT (%)	2.47	2.22	2.46				
20	GAS: CONSUMPTION (1,000 MCF)	18,200.00	2,016.00	14,714.00	2,631.52	2,853.72		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000	1,000	1,000	1,044	1,040		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		5		1		2		5		1		
23	- NO. OF WET BOTTOM												
24	- NO. WITH FLY ASH REINJECTION		5				2						
25	- NO. WITH MECHANICAL PRECIPITATORS		5				2						
26	- NO. WITH ELECTROSTATIC PRECIPITATORS												
27	- NO. WITH COMBINATION PRECIPITATORS [4]												
28	- NO. WITH DESULFURIZATION SYSTEMS												
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	10.00	15.00		14.00		10.00	7.00	8.00		8.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	78.50	88.00				84.00						
31	TESTED, LOW - HIGH												
32	ESTIMATED, LOW - HIGH	78.50	88.00				84.00						
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH												
34	TESTED, LOW - HIGH												
35	EST., LOW - HIGH												
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH												
37	TESTED, LOW - HIGH												
38	ESTIMATED, LOW - HIGH												

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.05	.09	.12				
40	SULFUR DIOXIDE (1,000 TONS)	20.29	3.89	37.48				
41	NITROGEN OXIDES (1,000 TONS)	8.95	1.54	12.88	.51	.56		
42	STACKS: - TOTAL NO.	4	1	2	5	1		
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	150.00 298.00	302.00	400.00	60.00 70.00	81.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	.10		.20				
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	.40		.20				
46	SOLD (1,000 TONS) [11]	.10						
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	325.60						
51	ELECTROSTATIC PRECIPITATORS ($1,000)							
52	COMBINATION PRECIPITATORS ($1,000) [4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	458.40	250.30		66.00	30.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	32.10	14.60	42.00				
56	REVENUES FROM SALE OF ASH ($1,000)	7.00	1.20					
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	1,540.60	81.60	1,063.00				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	7.00	1.20					

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE WORTH	ST. JOHN'S RIVER	BISCAYNE BAY	CITY WATER	LAKE LAVON	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	916.00	236.00	1,228.00		83.31	
63	AVERAGE RATE OF DISCHARGE (CFS)	916.00	236.00	1,228.00		83.25	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	7.88	2.03	10.56	1.06	.72 .06	
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	JUL JAN	AUG DEC	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 76.00	89.00 67.00	92.00 76.00		92.00 61.00	
67	AT OUTFALL, SUMMER - WINTER	102.00 86.00	102.00 72.00	107.00 88.00		104.00 68.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					120.00	
69	- WINTER					11.80	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	C		C	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.50	.04	.46	.08	.04	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72.66		111.65		2.14	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		3.78	599.43		.68	
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		2.55	15.69			
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	17.08 .58	5.00 .17	26.61	3.00	.45 .31	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	YES	YES	YES YES	YES	
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
78	RECEIVING WATER BODY [19]						
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50		7.50			
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82	- ASH SETTLING	400.00		800.00			

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	1 156.35		1 75.00	
84	ONCE THROUGH COOLING (SALINE)	4 739.59	2 804.10		
85	COOLING POND(S)				
86	COOLING TOWER(S)	5 96.50		
87	COMBINATIONS [21]				
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1946 1963	1959	1967 1968	1957 1963		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.30 17.00	11.40	14.10	12.00 14.50	12.00	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,124.00	258.00	1,226.00	207.10	134.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,200.00	266.00	1,280.00		140.60	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	5,093.70	720.90			265.00	
93	COOLING PONDS ($1,000)						
94	COOLING TOWERS ($1,000)				407.80		

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	40.10	17.40	23.60	25.00	30.00	
96	COST OF CHEMICAL ADDITIVES ($1,000)	2.30	.70	3.60	11.00	.20	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	19.80	14.30	17.50	12.00	10.00	
98	COST OF CHEMICAL ADDITIVES ($1,000)	11.40	1.20	53.20	3.00	6.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.		
NAME OF PLANT	ARKWRIGHT	ATKINSON	HAMMOND	HARLLEE BRANCH	MCDONOUGH		
UTILITY-PLANT CODE	179000-0100	179000-0200	179000-0300	179000-0400	179000-1100		
STATE	GEORGIA	GEORGIA	GEORGIA	GEORGIA	GEORGIA		
COUNTY	BIBB	COBB	FLOYD	PUTNAM	COBB		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	054 03	056 03	055 03	054 03	056 03		
PLANT CAPACITY (MW)	181.00	240.00	375.00	1,746.00	490.00		
ANNUAL GENERATION (MWH) [3]	912,700	1,412,800	1,726,900	8,027,200	3,436,800		
PLANT HEAT RATE (BTU/KWH) [3]	12,653	13,704	10,176		9,657		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	154.00	225.00	734.00	3,006.00	1,262.00		
AVERAGE HEAT CONTENT (BTU/LB)	11,704	12,259	11,862	12,430	12,148		
AVERAGE SULFUR CONTENT (%)	2.71	1.15	2.45	1.38	1.09		
AVERAGE ASH CONTENT (%)	16.12	11.54	13.32	10.69	11.81		
AVERAGE MOISTURE CONTENT (%)	4.33	5.66	6.94	5.50	5.91		
OIL: CONSUMPTION (1,000 BARRELS)							
AVERAGE HEAT CONTENT (BTU/GAL)							
AVERAGE SULFUR CONTENT (%)							
GAS: CONSUMPTION (1,000 MCF)	7,484.00	13,750.30			550.40		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,050	1,035			1,037		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	5	3	4	2		
- NO. OF WET BOTTOM			3	4	2		
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS			1				
- NO. WITH ELECTROSTATIC PRECIPITATORS	3	5	2	4	2		
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	22.00		23.00	18.00 20.00	18.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00		84.00				
TESTED, LOW - HIGH			30.00				
ESTIMATED, LOW - HIGH	74.80		30.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	90.00	90.00	98.20	98.00 98.50	98.00		
TESTED, LOW - HIGH	59.00	87.00	85.00 95.00	95.70 98.75	91.00 96.00		
EST., LOW - HIGH	80.00 92.70	60.00 85.00		96.00	98.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	3.47	4.29	20.69	7.17	1.98		
SULFUR DIOXIDE (1,000 TONS)	8.23	4.69	35.53	81.28	27.61		
NITROGEN OXIDES (1,000 TONS)	2.85	4.55	11.10	45.08	19.57		
STACKS: - TOTAL NO.	4	5	2	4	4		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	144.00	180.00	200.00	300.00 500.00	229.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]	25.50	24.00	70.62	327.80	152.49		
SOLD (1,000 TONS) [11]	2.30						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)				1,083.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	62.40	23.00	54.10	164.80	16.30		
REVENUES FROM SALE OF ASH ($1,000)	.20						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	62.40	23.00	54.10	164.80	16.30		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	.20						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	OCMULGEE RIVER	CHATTAHOOCHEE R.	COOSA RIVER	LAKE SINCLAIR	CHATTAHOOCHEE R.		
AVERAGE RATE OF WITHDRAWAL (CFS)	237.00	445.00	370.00	1,763.00	1,430.00		
AVERAGE RATE OF DISCHARGE (CFS)	200.00	445.00	365.50	1,763.00	1,430.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	2.04 37.00	3.83	3.18 .50	15.16	12.30		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN	JUL JAN	AUG JAN	AUG JAN	JUL JAN		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 65.00	68.00 55.00	79.00 44.00	96.00 70.00	68.00 55.00		
AT OUTFALL, SUMMER - WINTER	96.00 79.00	79.00 65.00	82.00 49.00	108.00 80.00	79.00 65.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			4,180.00				
- WINTER			5,150.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C [16]		H	C		H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.31	.25				
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.28	16.00	250.00			
LIME (TONS), COOLING WATER - BOILER MAKEUP			60.00	47.91			
ALUM (TONS), COOLING WATER - BOILER MAKEUP		81.00		70.00	128.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]		YES	YES	YES	YES		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	ST	ST	ST	SW	OT		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]							
RECEIVING WATER BODY [19]							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.80		10.80	9.40	4.60		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	65.00			15.00	8.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	7,148.52		233,600.00	440,200.00	172,150.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	4 181.00	4 240.00	3 375.00	4 1,746.00	2 490.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1941 1948	1930 1948	1954 1955	1965 1969	1963 1964		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	13.70		10.00	16.70 18.50	17.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	350.00		450.00	1,763.00	608.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	350.00		444.00	1,763.00	608.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)					811.50		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		.20			2.00		
COST OF CHEMICAL ADDITIVES ($1,000)		10.00			15.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		16.00			56.00		
COST OF CHEMICAL ADDITIVES ($1,000)		2.00			3.00		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	GLENDALE PUBLIC SERVICE DEPT.	GRAND RIVER DAM AUTHORITY	
NAME OF PLANT	MCMANUS	MITCHELL	YATES	GLENDALE	CHOUTEAU	
UTILITY-PLANT CODE	179000-1500	179000-2500	179000-2600	1825CC-0100	1885C0-C1CC	
STATE	GEORGIA	GEORGIA	GEORGIA	CALIFORNIA	OKLAHOMA	
COUNTY	GLYNN	DOUGHERTY	COWETA	LOS ANGELES	MAYES	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	C49 03	059 03	C56 03	024 18	186 18	
PLANT CAPACITY (MW)	144.00	218.00	680.00	163.00	56.25	
ANNUAL GENERATION (MWH)[3]	735,100	996,600	3,186,200	539,278	1C2,662	
PLANT HEAT RATE (BTU/KWH)[3]	10,639	10,465	10,405	11,860	12,890	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	302.00	433.00	1,388.00			
AVERAGE HEAT CONTENT (BTU/LB)	12,894	12,884	11,924			
AVERAGE SULFUR CONTENT (%)	1.21	1.02	2.46			
AVERAGE ASH CONTENT (%)	8.69	8.52	10.76			
AVERAGE MOISTURE CONTENT (%)	1.36	5.64	7.67			
OIL: CONSUMPTION (1,000 BARRELS)				227.40		
AVERAGE HEAT CONTENT (BTU/GAL)				151,434		
AVERAGE SULFUR CONTENT (%)				1.15		
GAS: CONSUMPTION (1,000 MCF)				4,946.00	5,346.60	
AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,058	1,025	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	3	5	6	6	
- NO. OF WET BOTTOM	2		5			
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS			2	1		
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	3	3			
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	17.00 19.00	18.00 20.00	20.00	8.00 15.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			78.00			
TESTED, LOW - HIGH			67.40			
ESTIMATED, LOW - HIGH			50.00 60.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00	98.00	98.30 98.60			
TESTED, LOW - HIGH	97.70 99.40		97.20 98.40			
EST., LOW - HIGH	98.00	85.00 92.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.34	2.78	19.60	.04		
SULFUR DIOXIDE (1,000 TONS)	7.16	7.94	66.88	.88		
NITROGEN OXIDES (1,000 TONS)	4.53	3.57	20.81	1.47	1.04	
STACKS: - TOTAL NO.	1	2	3	6	6	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	185.00 115.00	211.00	175.00	60.00 100.00	150.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	26.05	34.00	126.00			
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)					78.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	59.00	74.20	157.30			
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59.00	74.20	157.30			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	TURTLE RIVER	FLINT RIVER	CHATTAHOOCHEE RIV	WELL	GRAND RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	195.00	224.00	187.00		1.60	
AVERAGE RATE OF DISCHARGE (CFS)	195.00	223.80	187.00		.97	
AVE. RATE OF CONSUMPTION (CES), CALCULATED - REPORTED[14]	1.68	1.93 .20	1.61	2.27	.63	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG JAN	AUG JAN		AUG FEB	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	93.00 60.00	84.00 43.00	92.00 45.00		99.00 64.00	
AT OUTFALL, SUMMER - WINTER	113.00 82.00	96.00 50.00	110.00 64.00		112.00 80.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CES): SUMMER					.95	
- WINTER					.57	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]			H	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.06	.03	.10	12.50 .10	8.50	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.13	.07	.33	10.00	.57	
LIME (TONS), COOLING WATER - BOILER MAKEUP	7.11				5.03 13.31	
ALUM (TONS), COOLING WATER - BOILER MAKEUP					14.73 38.73	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		33.00		16.00	.01	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES NO	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		ST		OT	
RECEIVING WATER BODY[19]					BRYOR CREEK	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50	8.10	8.00			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00	26.00	20.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	71,500.00	109,000.00	65,000.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 217.00	5 678.00			
ONCE THROUGH COOLING (SALINE)	2 144.00					
COOLING POND(S)					4 25.00	
COOLING TOWER(S)				4 163.00	2 31.25	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1959	1948 1964	1950 1958	1941 1964	1942 1950	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.50 14.90	10.00 16.00	15.00	15.00	12.00 16.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	216.00	312.00	875.00	300.00	75.66	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CES)	216.00	312.00	875.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)				1,125.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						
COST OF CHEMICAL ADDITIVES ($1,000)				26.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						
COST OF CHEMICAL ADDITIVES ($1,000)				2.50		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	BURLINGTON ELEC. LIGHT DEPT.	GULF POWER CO.	GULF POWER CO.	GULF POWER CO.	GULF STATES UTILITIES CO.		
NAME OF PLANT	MORAN	CRIST	SCHOLTZ	SMITH	LOUISIANA 1		
UTILITY-PLANT CODE	19000C-C100	19500C-C100	19500C-02CC	19500C-0300	19550-C10C		
STATE	VERMONT	FLORIDA	FLORIDA	FLORIDA	LOUISIANA		
COUNTY	CHITTENDEN	ESCAMBIA	JACKSON	BAY	EAST BATON ROUGE		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	159 01	005 03	005 03	005 03	106 08		
PLANT CAPACITY (MW)	30.00	281.00	98.00	340.00	256.50		
ANNUAL GENERATION (MWH) [3]	51,600	1,574,000	415,400	2,173,200	1,381,622		
PLANT HEAT RATE (BTU/KWH) [3]	16,155	11,601	11,735	10,008			

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	42.08	184.20	192.50	930.10		
AVERAGE HEAT CONTENT (BTU/LB)	13,022	12,644	12,659	11,678		
AVERAGE SULFUR CONTENT (%)	2.82	2.71	1.01	2.89		
AVERAGE ASH CONTENT (%)	9.53	10.50	10.97	10.44		
AVERAGE MOISTURE CONTENT (%)	4.38	5.53	5.65	5.80		
OIL: CONSUMPTION (1,000 BARRELS)		138.20	.26	4.55	2.21	
AVERAGE HEAT CONTENT (BTU/GAL)		141,895	136,000	136,000	149,670	
AVERAGE SULFUR CONTENT (%)		1.15	.10	.10	.60	
GAS: CONSUMPTION (1,000 MCF)		12,779.30			42,249.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000			1,067	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	5	2	2	11	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION	3		2			
- NO. WITH MECHANICAL PRECIPITATORS	3					
- NO. WITH ELECTROSTATIC PRECIPITATORS		2		2		
- NO. WITH COMBINATION PRECIPITATORS [4]						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	32.00	10.00 17.00	25.00	18.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	96.50		84.50			
TESTED, LOW - HIGH	96.40					
ESTIMATED, LOW - HIGH	90.00		65.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		98.20		98.00		
TESTED, LOW - HIGH						
EST., LOW - HIGH		87.60 98.50		96.80 98.10		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.63	1.14	6.28	2.10		
SULFUR OIOXIDE (1,000 TONS)	2.32	10.32	3.81	52.69		
NITROGEN OXIDES (1,000 TONS)	.32	4.45	1.73	8.38	8.24	
STACKS: - TOTAL NO.	3	3	1	1	11	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	130.00	125.00 185.00	150.00	200.00	150.50 167.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	4.10	18.10	16.00	93.00		
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	54.00		106.00			
ELECTROSTATIC PRECIPITATORS ($1,000)		984.00		589.00		
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	24.00	138.90	58.10	107.50		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	56.00	63.40	31.10	78.40		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	56.00	65.10	32.70	80.10		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE CHAMPLAIN	ESCAMBIA RIVER	APALACHICOLA R.	NORTH BAY	MISSISSIPPI RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	36.78	400.00	186.00	390.00	1.10	
AVERAGE RATE OF DISCHARGE (CFS)	36.02	400.00	186.00	390.00	.48	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.32 .74	3.44	1.60	3.35	.62	
PEAK LOAD MONTH : SUMMER - WINTER [15]	OCT FEB	JUN DEC	JUN DEC	JUN DEC	JUL JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	52.00 35.50	91.00 58.00	91.00 62.00	90.00 66.00	85.00 43.00	
AT OUTFALL, SUMMER - WINTER	64.00 42.00	103.00 70.00	106.00 76.00	103.00 80.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,410.00	13,420.00		508,000.00	
- WINTER		4,290.00	13,410.00		456,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	O	H	C	O	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	.55	1.40	.50	3.05	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	3.80	16.50	.70	29.00	1,342.63	
LIME (TONS), COOLING WATER - BOILER MAKEUP					1,400.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP			.15	97.00 4.58	5.00	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]		YES	YES YES	YES YES	NO YES	
OTHER (YES/NO),				ST	ST	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST		MISSISSIPPI RIVER	
RECEIVING WATER BODY [19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.50	7.00	7.50		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		50.00	50.00	50.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		26,570.00	168.00	68,000.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	3 30.00	5 281.26	2 98.00	2 340.00		
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)					3 60.00	
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954	1945 1961	1953	1965 1967	1938 1943	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00	13.00 14.20	12.40	16.00 19.40	19.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	68.10	424.00	192.00	403.00	100.26	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	240.60	449.00	202.00	423.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	141.00	921.60	576.30	1,069.50		
COOLING PONDS ($1,000)					303.00	
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.50	2.70	1.00	4.80		
COST OF CHEMICAL ADDITIVES ($1,000)		9.00		13.40		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		19.40	13.00	19.90		
COST OF CHEMICAL ADDITIVES ($1,000)		2.20	1.00	6.90		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.		
NAME OF PLANT	LOUISIANA 2	NECHES	NELSON	SABINE	WILLOW GLEN		
UTILITY-PLANT CODE	19550-C200	19550-0300	19550-0400	19550-0500	19550-0600		
STATE	LOUISIANA	TEXAS	LOUISIANA	TEXAS	LOUISIANA		
COUNTY	EAST BATON ROUGE	JEFFERSON	CALCASIEU	ORANGE	IBERVILLE		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	I06 C8	I06 I2	I06 C8	I06 I2	I06 C8		
PLANT CAPACITY (MW)	175.00	452.27	390.47	952.00	954.36		
ANNUAL GENERATION (MWH)[3]	902,500	2,103,300	2,378,500	5,583,800	4,987,300		
PLANT HEAT RATE (BTU/KWH)[3]	12,675	11,268	10,471	9,839	10,336		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)							
AVERAGE HEAT CONTENT (BTU/LB)							
AVERAGE SULFUR CONTENT (%)							
AVERAGE ASH CONTENT (%)							
AVERAGE MOISTURE CONTENT (%)							
OIL: CONSUMPTION (1,000 BARRELS)						.10	
AVERAGE HEAT CONTENT (BTU/GAL)						140,000	
AVERAGE SULFUR CONTENT (%)						.30	
GAS: CONSUMPTION (1,000 MCF)	10,565.00	22,216.00	22,800.00	54,262.00	48,430.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,078	1,014	1,085	1,015	1,065		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	6	3	3	4		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]							
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		15.00 7.00 10.00		7.00	7.00 10.00		
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)							
SULFUR DIOXIDE (1,000 TONS)							
NITROGEN OXIDES (1,000 TONS)	2.06	4.33	4.45	10.58	9.44		
STACKS: - TOTAL NO.	2	8	6	6	7		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00 170.00	138.00 225.00	165.00 196.00	148.50 188.00	167.00 196.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]							
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)				630.00	202.20		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	DEER WELLS	NECHES RIVER	WELLS	SABINE LAKE	MISSISSIRRI RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	9.49	371.00	1.34	1,158.00	666.00	
AVERAGE RATE OF DISCHARGE (CFS)	5.65	368.00	.20	1,150.00	666.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.84	3.00	1.14	9.96 8.00	5.73	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG DEC	AUG JAN	JUL APR	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 50.00	95.00 70.00		91.00 76.00	85.00 50.00	
AT OUTFALL, SUMMER - WINTER		108.00 81.00		106.00 89.00	107.00 72.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	508,000.00			1,158.00	508,000.00	
- WINTER	273,000.00			1,158.00	273,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	O	C		C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.93	1.75	.43	3.35	.40	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	14.97	80.00	.32	1.80	.36	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	5.00	60.00	39.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	NO YES	NO YES	NO YES	NO YES	NO YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY[19]	MISSISSIRRI RIVER	NECHES RIVER	FILTER BED		BAYOU MANCHAC	
POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	9.90					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	17,740.00					
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 225.00			3 994.36	
ONCE THROUGH COOLING (SALINE)				3 952.00		
COOLING POND(S)						
COOLING TOWER(S)	3 175.00	2 227.28	3 390.48			
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1953	1937 1958	1959 1960	1962 1966	1960 1968	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.97 14.98	11.00 12.00	19.00 20.00	13.00 16.00	20.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	262.90	612.40	422.00	1,310.30	893.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		363.60		1,311.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		362.00		649.00	9,092.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)	1,864.00	2,570.00	3,488.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						
COST OF CHEMICAL ADDITIVES ($1,000)						

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						
COST OF CHEMICAL ADDITIVES ($1,000)						

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	HAMILTON MUNC. ELECTRIC PLT.	HAWAIIAN ELECTRIC CO. INC.	HAWAIIAN ELECTRIC CO. INC.	HAWAIIAN ELECTRIC CO. INC.	HAWAIIAN ELECTRIC CO. INC.	
NAME OF PLANT	HAMILTON	HONOLULU	KAHE	WAIAU	KAHULUI	
UTILITY-PLANT CODE	19750C-0100	2015CC-5100	2015CC-C2CC	2015CC-C3CC	2015CC-C4CC	
STATE	OHIO	HAWAII	HAWAII	HAWAII	HAWAII	
COUNTY	BUTLER	HONOLULU	HONOLULU	HONOLULU	MAUI	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	079 05	060 22	060 22	060 22	060 22	
PLANT CAPACITY (MW)	83.50	168.15	163.20	394.5C	3E.5C	
ANNUAL GENERATION (MWH) [3]	280,C99	429,5CC	1,033,5CC	1,731,2CC	127,8CC	
PLANT HEAT RATE (BTU/KWH) [3]	12,CCC	12,416	9,854	10,627	14,C4C	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	163.0S					
AVERAGE HEAT CONTENT (BTU/LB)	12,5CC					
AVERAGE SULFUR CONTENT (%)	.75					
AVERAGE ASH CONTENT (%)	12.CC					
AVERAGE MOISTURE CONTENT (%)	3.CC					
OIL: CONSUMPTION (1,CCC BARRELS)		865.CC	1,56C.CC	2,817.CC	2E1.6C	
AVERAGE HEAT CONTENT (BTU/GAL)		15C,?12	155,675	155,825	152,987	
AVERAGE SULFUR CONTENT (%)		.93	1.84	1.84	1.3E	
GAS: CONSUMPTION (1,CDD MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8		6		2		8		4	
- NO. OF WET BOTTOM										
- NO. WITH FLY ASH REINJECTION	1									
- NO. WITH MECHANICAL PRECIPITATORS	4								4	
- NO. WITH ELECTROSTATIC PRECIPITATORS										
- NO. WITH COMBINATION PRECIPITATORS [4]										
- NO. WITH DESULFURIZATION SYSTEMS										
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	50.00	13.00	20.CC	8.2C	7.0C	15.CC	15.00	2C.CC	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	88.00	97.CC								
TESTED, LOW - HIGH									9E.CC	
ESTIMATED, LOW - HIGH	7D.00	85.CC							85.CC	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH										
TESTED, LOW - HIGH										
EST., LOW - HIGH										
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH										
TESTED, LOW - HIGH										
ESTIMATED, LOW - HIGH										

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,CCC TONS)	3.88		.14		.26		.47		.C1	
SULFUR DIOXIDE (1,CCC TONS)	2.39		2.67		5.63		17.39		1.3C	
NITROGEN OXIDES (1,CCC TONS)	1.31		1.89		3.44		6.21		.E2	
STACKS: - TOTAL NO.	4		6		2		8		4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	131.00	260.CC	141.CC	161.CC	148.CC	115.CC	138.CC		1CC.CC	
COMBUSTION CYCLE ADDITIVES (1,CCC TONS) [9]										
TOTAL ASH: COLLECTED (1,CCC TONS) [10]	20.00				.1C		.1C			
SOLD (1,CCC TONS) [11]					.1C		.1C			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,CDC TONS)										
EQUIVALENT OF ACID COLLECTED (1,CCC TONS) [12]										
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,CCC TONS)										
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,CCC)	14C.CC								54.25	
ELECTROSTATIC PRECIPITATORS ($1,CCC)										
COMBINATION PRECIPITATORS ($1,CCC) [4]										
DESULFURIZATION SYSTEMS ($1,CCC)										
STACKS ($1,CCC)										
ASH COLLECTION AND DISPOSAL EXPENSES ($1,CCC)	165.CC		159.8C		144.78		316.71		117.CC	
REVENUES FROM SALE OF ASH ($1,CCC)	12.CC				6.7C		6.7C		1.CC	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,CCC)					2.5C		2.5C			
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,CCC)										
TOTAL AIR QUALITY CONTROL EXPENSES ($1,CCC) [13]	24.CC		7.1C		6.7C		9.1C		1.CC	
TOTAL BYPRODUCT SALES REVENUES ($1,CCC)					2.5C		2.5C			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	GREAT MIAMI RIVER		PACIFIC OCEAN		PACIFIC OCEAN		PEARL HARBOR		WELLS	
AVERAGE RATE OF WITHDRAWAL (CFS)	82.CC		14C.7C		243.6C		436.8C		33.CC	
AVERAGE RATE OF DISCHARGE (CFS)	81.00		14C.7C		243.6C		436.8C		33.CC	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.71	1.CC	1.21		2.09		3.76	.28		
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL	JAN	JUL		JUL	OCT	JUL	OCT	AUG	DEC
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00	45.00	82.CC	8C.CC	89.00	9C.CC	89.CC	88.CC	73.00	73.CC
AT OUTFALL, SUMMER - WINTER	97.00	67.CC	96.00	93.CC	99.00	99.CC	98.CC	98.CC	9C.CC	52.CC
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,C86.CC								31.CC
- WINTER		1,948.CC								39.CC
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H		C		C		C		H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.C3		.14		.21		.94		.25
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.05		.C8				.18		.4C
LIME (TONS), COOLING WATER - BOILER MAKEUP										
ALUM (TONS), COOLING WATER - BOILER MAKEUP										
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	15.00									
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]		YES		YES		YES		YES		YES
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS		PS		OT		ST		ST	
[19] RECEIVING WATER BODY										
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						7.5C				
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						55C.CC				
VOLUME (1,CCC CUFT/YR), BOILER BLOWDOWN		.6C								
- ASH SETTLING						56C.CC				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	7	83.5C									
ONCE THROUGH COOLING (SALINE)			4	168.15	2	176.CC	8	394.5C	4	3E.5C	
COOLING POND(S)											
COOLING TOWER(S)											
COMBINATIONS [21]											
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1929	1965	1930	1957	1963	1964	1938	1968	1948	1966	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]		22.CC	7.0D	13.0C		1C.CC	9.4C	13.CC	15.0C	19.CC	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		169.CC		457.CC		32C.0D		845.CC		81.CC	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		263.CC		461.CC		326.CC		863.CC		81.CC	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,CCC)	4CC.CC	1,174.54	2,388.82	3,396.13	331.CC	
COOLING PONDS ($1,CCC)						
COOLING TOWERS ($1,CCC)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,CCC)	2.CC	9.7C	18.8C	33.3C	2.5C	
COST OF CHEMICAL ADDITIVES ($1,CCC)	7.CC					

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,CCC)	5.CC	39.9C	23.3C	77.9C	1.CC	
COST OF CHEMICAL ADDITIVES ($1,CCC)	1C.CC	1.41	.8C	4.6C	.6C	

GG ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	HOLYOKE GAS & ELECTRIC DEPT.		HOLYOKE WATER POWER CO.		HOLYOKE WATER POWER CO.		HOUSTON LIGHTING & POWER CO.		HOUSTON LIGHTING & POWER CO.	1
2		2										2
3		3										3
4	NAME OF PLANT	4	HOLYOKE		MOUNT TOM		RIVERSIDE		DEEPWATER		GABLE ST.	4
5	UTILITY-PLANT CODE	5	21350C-C2C0		214500-0500		214500-0600		2185C0-0100		218500-C30C	5
6	STATE	6	MASSACHUSETTS		MASSACHUSETTS		MASSACHUSETTS		TEXAS		TEXAS	6
7	COUNTY	7	HAMPDEN		HAMPDEN		HAMPDEN		HARRIS		HARRIS	7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	042 C1		042 C1		042 C1		216 12		216 12	8
9	PLANT CAPACITY (MW)	9	30.00		136.00		44.75		334.85		84.10	9
10	ANNUAL GENERATION (MWH) [3]	10	87,973		972,800		81,213		861,400		23,990	10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	15,990		9,483		15,075		10,399		14,885	11
	AIR QUALITY CONTROL DATA											
	FUEL CONSUMPTION DATA (ANNUAL)											
12	COAL: CONSUMPTION (1,000 TONS)	12	.56		391.30							12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	12,500		11,614							13
14	AVERAGE SULFUR CONTENT (%)	14	2.50		2.20							14
15	AVERAGE ASH CONTENT (%)	15	10.50		17.27							15
16	AVERAGE MOISTURE CONTENT (%)	16	4.00		5.92							16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	243.70		23.30		337.00					17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	148,600		138,750		149,500					18
19	AVERAGE SULFUR CONTENT (%)	19	2.10		.50		2.00					19
20	GAS: CONSUMPTION (1,000 MCF)	20	930.40						12,601.70		357.20	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,000						1,034		1,059	21
	PLANT EQUIPMENT DATA											
22	BOILERS: - TOTAL NO.	22	4		1		7		9		10	22
23	- NO. OF WET BOTTOM	23										23
24	- NO. WITH FLY ASH REINJECTION	24										24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	2				1					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26										26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27			1							27
28	- NO. WITH DESULFURIZATION SYSTEMS	28										28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	16.00		18.00	15.00	20.00	12.00	15.00	10.00	18.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	90.00 92.60				94.00					30
31	TESTED, LOW - HIGH	31										31
32	ESTIMATED, LOW - HIGH	32	80.00				94.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33			95.00							33
34	TESTED, LOW - HIGH	34			92.90							34
35	EST., LOW - HIGH	35			95.00							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36										36
37	TESTED, LOW - HIGH	37										37
38	ESTIMATED, LOW - HIGH	38										38
	PLANT OPERATING DATA AND COST OF EQUIPMENT											
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	.02		2.87		.03					39
40	SULFUR OIOX1OE (1,000 TONS)	40	1.74		16.91		2.26					40
41	NITROGEN OXIOES (1,000 TONS)	41	.72		3.57		.74		2.43		.07	41
42	STACKS: - TOTAL NO.	42	2		1		5		4		5	42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	95.00 225.00		370.00	65.00	97.00	166.00	339.00	73.00	102.30	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44					.03					44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45	.06		65.00		.03					45
46	SOLD (1,000 TONS) [11]	46			11.27							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47										47
48	EQUIVALENT OF AC1O COLLECTED (1,000 TONS) [12]	48										48
49	ELEMENTAL AND EQUIVALENT OF AC1O SOLD (1,000 TONS)	49										49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50										50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51										51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52			344.00							52
53	DESULFURIZATION SYSTEMS ($1,000)	53										53
54	STACKS ($1,000)	54			344.00							54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55			50.84		.24					55
56	REVENUES FROM SALE OF ASH ($1,000)	56			4.50							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57										57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58										58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59			64.04							59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60			4.50							60
	WATER QUALITY CONTROL DATA											
61	COOLING WATER: SOURCE	61	CONNECTICUT RIVER		CONNECTICUT RIVER		CONNECTICUT RIVER		HOUSTON SHIP CHAN		WELLS	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	51.60		207.50		90.00		344.10		.50	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	51.20		207.00		90.00		344.10		.20	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	.44 .40		1.78		.77		2.96		.30	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	JUL DEC		AUG DEC		AUG DEC		AUG JAN		AUG JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	85.00 32.00		75.00 46.00		77.00 43.00		92.00 61.00			66
67	AT OUTFALL, SUMMER - WINTER	67	105.00 52.00		91.00 70.00		95.00 62.00		100.00 77.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	1,800.00		12,240.00		12,240.00				288.00	68
69	- WINTER	69	60,000.00		14,667.00		14,667.00				854.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	70	H		H		H		H		H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.25		.02		2.90	1.50	12.80		.06	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	143.38		.01		65.00		12.32		.50	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73	.50									73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74	3.20 12.80		2.40		6.95					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	.45 1.80				2.60 4.00	19.00		.60		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	YES		YES		YES	NO	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77		ST		OT		ST		PS		77
78	RECEIVING WATER BODY [19]	78				CONNECTICUT RIVER		HOUSTON SHIP CH.				78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79			6.00							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80			25.00							80
81	VOLUME 11,000 CUFT/YR), BOILER BLOWDOWN	81										81
82	- ASH SETTLING	82			7,300.00							82
	COOLING FACILITY DATA											
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83	3 25.00	1	136.00	5	44.75					83
84	ONCE THROUGH COOLING (SALINE)	84						7	334.85	4	26.10	84
85	COOLING PONDS	85										85
86	COOLING TOWERS	86	1 5.00							2	53.00	86
87	COMBINATIONS [21]	87								1	5.00	87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1934 1955		1960	1922	1948	1924	1955	1908	1950	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	15.00 20.00		13.00		18.00	9.20	19.50	14.00	16.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	64.90		204.00		90.00		771.10		322.20	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	51.10		204.00		90.00		787.00		199.00	91
	CAPITAL COSTS OF COOLING FACILITIES											
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	75.00		57.00							92
93	COOLING PONDS ($1,000)	93										93
94	COOLING TOWERS ($1,000)	94	30.00									94
	ANNUAL COOLING WATER EXPENSES											
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	10.00		24.00		4.87					95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	1.00		1.10		.22		2.40		.16	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES											
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	32.00		3.60		15.00					97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	16.00		6.10		12.00		14.00		.16	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	
NAME OF PLANT	GREEN BAYOU	CLARKE	ROBINSON	BERTRON	WHARTON	
UTILITY-PLANT CCOE	21850C-C400	218500-C5CC	218500-C6CC	218500-C7CC	218500-C8CC	
STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS	
CCUNTY	HARRIS	HARRIS	GALVESTCN	HARRIS	HARRIS	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	216 12	216 12	216 12	216 12	216 12	
PLANT CAPACITY (MW)	375.00	210.00	1,549.50	826.30	322.80	
ANNUAL GENERATION (MWH) [3]	380,000	92,097	9,320,600	4,461,500	1,401,600	
PLANT HEAT RATE (BTU/KWH) [3]	13,135	13,807	9,578	10,178	10,313	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)						
AVERAGE HEAT CONTENT (BTU/GAL)						
AVERAGE SULFUR CONTENT (%)						
GAS: CONSUMPTION (1,000 MCF)	4,708.20	1,269.30	85,678.10	43,824.10	13,840.50	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,060	1,052	1,038	1,036	1,044	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	4	4	4	2	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	7.00 8.00	10.00 12.90	8.00 24.20	22.70 28.20	18.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)						
SULFUR DIOXIDE (1,000 TONS)	.92	.25	16.77	8.55	2.70	
NITROGEN OXIDES (1,000 TONS)	8	6	6	8	4	
STACKS: - TOTAL NO.						
- HEIGHT (FEET), LOWEST - HIGHEST [8]	95.00 119.80	98.80 125.00	197.00 284.00	166.50 177.50	140.00 177.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]						
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)						
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WELL	WELL	DISCHARGE FROM	UPSTREAM SHIP CH.	WELLS	
AVERAGE RATE OF WITHDRAWAL (CFS)	7.10	3.10	1,650.00	1,141.10	26.20	
AVERAGE RATE OF DISCHARGE (CFS)	1.80	1.00	1,650.00	1,141.10	12.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.30	2.10			14.20	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN	AUG JAN	AUG JAN	AUG JAN	AUG JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			91.00 80.00	92.00 65.00		
AT OUTFALL, SUMMER - WINTER			105.00 95.00	106.00 75.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		173.00			14.10	
- WINTER		274.00			116.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	C	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.50	.24	.05	2.80 2.05	.05	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	7.23	2.00	1,411.05	18.78	13.43	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	5.00	2.40	424.00	72.00	7.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	NO YES	NO YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY [19]	GREENS BAYOU	SIMS BAYOU	GALVESTON BAY	HOUSTON SHIP CH.	GREENS BAYOU	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					8.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					70.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)												
ONCE THROUGH COOLING (SALINE)												
COOLING POND(S)											2	322.80
COOLING TOWER(S)	4	375.00	4	210.00								
COMBINATIONS [21]					3	1,549.50	4	826.30				
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949	1953	1943	1951	1966	1968	1956	1960	1958	1960		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.40	16.25	15.00	16.60	17.38	18.03	14.21	15.05	17.73	18.10		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		622.40		450.00		1,736.00		1,144.00		383.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						1,736.00		1,144.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						
COST OF CHEMICAL ADDITIVES ($1,000)	1.00	.64	37.30	8.00	3.60	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						
COST OF CHEMICAL ADDITIVES ($1,000)	7.00	7.10	83.90	17.10	3.80	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	ILLINOIS POWER CO.	ILLINOIS POWER CO.	ILLINOIS POWER CO.	
NAME OF PLANT	PARISH	WEBSTER	HAVANA	HENNERIN	VERMILION	
UTILITY-PLANT CODE	21850C-0900	21850C-1000	222500-0200	22250C-0300	22250C-0600	
STATE	TEXAS	TEXAS	ILLINOIS	ILLINOIS	ILLINOIS	
COUNTY	FORT BEND	HARRIS	MASON	PUTNAM	VERMILION	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	216 12	216 12	065 07	071 07	066 05	
PLANT CAPACITY (MW)	1,255.40	614.00	230.00	306.25	182.30	
ANNUAL GENERATION (MWH) [3]	6,857,800	2,296,300	591,700	1,847,400	1,065,600	
PLANT HEAT RATE (BTU/KWH) [3]	9,867	10,207	12,763	9,816	10,596	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			368.90	376.60	517.10	
AVERAGE HEAT CONTENT (BTU/LB)			10,212	11,484	10,933	
AVERAGE SULFUR CONTENT (%)			2.78	3.01	2.67	
AVERAGE ASH CONTENT (%)			8.68	10.42	9.63	
AVERAGE MOISTURE CONTENT (%)			18.91	10.36	14.71	
OIL: CONSUMPTION (1,000 BARRELS)			3.27		.30	
AVERAGE HEAT CONTENT (BTU/GAL)			140,000		140,000	
AVERAGE SULFUR CONTENT (%)			.20		.10	
GAS: CONSUMPTION (1,000 MCF)	65,134.20	22,578.00		9,053.50		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,039	1,038		1,052		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4		3		8		2		2
- NO. OF WET BOTTOM									
- NO. WITH FLY ASH REINJECTION									
- NO. WITH MECHANICAL PRECIPITATORS									
- NO. WITH ELECTROSTATIC PRECIPITATORS					8		2		2
- NO. WITH COMBINATION PRECIPITATORS [4]									
- NO. WITH DESULFURIZATION SYSTEMS									
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]									
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	18.50 18.90	7.00 15.70			25.00	25.00 31.00			24.00
TESTED, LOW - HIGH					15.00	83.80 85.00		86.00	87.00
ESTIMATED, LOW - HIGH									
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH					15.00	83.80 85.00		86.00	87.00
TESTED, LOW - HIGH									
EST., LOW - HIGH									
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)					23.14		5.09		5.65
SULFUR DIOXIDE (1,000 TONS)					2C.10		22.22		27.06
NITROGEN OXIDES (1,000 TONS)		12.70		4.40	3.33		5.16		4.65
STACKS: - TOTAL NO.		7		6	3		1		1
- HEIGHT (FEET), LOWEST - HIGHEST [8]	167.70 182.00	119.80 192.00			225.00		275.00		275.00
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]									
TOTAL ASH: COLLECTED (1,000 TONS) [10]					7.50		32.80		44.10
SOLD (1,000 TONS) [11]									
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)									
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]									
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)									
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)									
ELECTROSTATIC PRECIPITATORS ($1,000)							219.00		121.00
COMBINATION PRECIPITATORS ($1,000) [4]									
DESULFURIZATION SYSTEMS ($1,000)									
STACKS ($1,000)									
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					267.00		307.00		235.00
REVENUES FROM SALE OF ASH ($1,000)					18.80		22.60		23.90
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)									
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)									
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]									
TOTAL BYPRODUCT SALES REVENUES ($1,000)					18.80		22.60		23.90

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	DRY CREEK		CLEAR CREEK		ILLINOIS RIVER		ILLINOIS RIVER		M FK VERMILION R.
AVERAGE RATE OF WITHDRAWAL (CFS)		31.10		809.60		287.00		243.00	3.00
AVERAGE RATE OF DISCHARGE (CFS)		8.10		809.60		287.00		243.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]		15.50			2.47		2.09		3.00
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG	JAN	AUG	JAN	JUL	DEC	JUL	DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			93.00	67.00	86.00	41.00	86.00	41.00	
AT OUTFALL, SUMMER - WINTER			108.00	80.00	94.00	50.00	90.00	59.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		9.50				22,910.00		17,900.00	
- WINTER		7.00				12,600.00		12,700.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H		C		C		C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.12	.80	.06		1.78		.80	1.13
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		19.05		37.17				142.00	96.00
LIME (TONS), COOLING WATER - BOILER MAKEUP									378.50 1.50
ALUM (TONS), COOLING WATER - BOILER MAKEUP									78.50 .50
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	160.00		164.00		36.00		37.50		24.00
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO	YES	NO	YES		YES		YES	YES YES
SEWAGE DISPOSAL: METHOD (S, ST, SW, OT [18]	ST		ST		OT		ST		ST
RECEIVING WATER BODY [19]	SMITHERS LAKE		CLEAR LAKE		ILLINOIS RIVER				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					10.00	9.50	10.00	9.50	9.50 9.50
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					70.00	400.00	5.00	400.00	20.00 1,000.00
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						539.00		216.00	120.00
- ASH SETTLING						29,000.00		9,350.00	15,500.00

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)					5	230.00	2	306.25	
ONCE THROUGH COOLING (SALINE)									
COOLING POND(S)									
COOLING TOWER(S)									
COMBINATIONS [21]	4	1,255.40	3	614.00					2 182.30
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958	1968	1954	1965	1947	1950	1953	1959	1955 1956
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.10	16.50	16.02	16.25		7.50	12.00	16.00	14.00 15.00
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		1,660.00		869.00		715.00		356.10	267.00
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				869.00		650.00		356.10	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)					2,695.00		2,054.00		
COOLING PONDS ($1,000)									
COOLING TOWERS ($1,000)									2,693.00

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					16.40		2.10		16.00
COST OF CHEMICAL ADDITIVES ($1,000)		13.70		13.00	3.60		3.80		2.40

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					24.00		19.80		25.80
COST OF CHEMICAL ADDITIVES ($1,000)		14.40		14.10	11.80		12.40		32.10

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	ILLINOIS POWER CO.	IMPERIAL IRRIGATION DIST.	INDIANA & MICHIGAN ELECTRIC CO.	INDIANA & MICHIGAN ELECTRIC CO.	INDIANA & MICHIGAN ELECTRIC CO.		
NAME OF PLANT	WOOD RIVER	EL CENTRO	BREED	TANNERS CREEK	TWIN BRANCH		
UTILITY-PLANT CODE	22250C-C70C	223C0C-0700	225000-020C	225000-070G	225000-080C		
STATE	ILLINOIS	CALIFORNIA	INDIANA	INDIANA	INDIANA		
COUNTY	MADISON	IMPERIAL	SULLIVAN	DEARBORN	ST. JOSEPH		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	070 C7	033 18	084 05	079 05	082 04		
PLANT CAPACITY (MW)	650.10	189.10	495.00	1,098.00	394.00		
ANNUAL GENERATION (MWH) [3]	3,824,100	416,900	2,675,362	7,082,098	1,401,153		
PLANT HEAT RATE (BTU/KWH) [3]	10,110	10,826	9,256	9,098	11,836		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,638.90		1,125.00	2,820.40	763.20		
AVERAGE HEAT CONTENT (BTU/LB)	11,051		10,997	11,361	10,824		
AVERAGE SULFUR CONTENT (%)	2.99		3.70	3.12	3.02		
AVERAGE ASH CONTENT (%)	10.54		11.13	13.75	10.41		
AVERAGE MOISTURE CONTENT (%)	11.21		12.90	8.65	14.12		
OIL: CONSUMPTION (1,000 BARRELS)	8.40	8.30					
AVERAGE HEAT CONTENT (BTU/GAL)	140,000	151,113					
AVERAGE SULFUR CONTENT (%)	.20	2.03					
GAS: CONSUMPTION (1,000 MCF)	2,304.60	4,424.00					
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,037	1,060					

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	4	1	4	12		
- NO. OF WET BOTTOM			1	1	4		
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS	5		1	3	4		
- NO. WITH ELECTROSTATIC PRECIPITATORS				1			
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 25.00	12.00 15.00	20.00	20.00	20.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	15.00 96.00			85.00 87.30	85.00		
TESTED, LOW - HIGH				72.20 77.90			
ESTIMATED, LOW - HIGH				75.00	25.00 50.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	15.00 90.00			90.00			
TESTED, LOW - HIGH							
EST., LOW - HIGH				74.70			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	42.55		12.52	42.63	36.86		
SULFUR DIOXIDE (1,000 TONS)	96.05	.06	81.59	173.02	45.18		
NITROGEN OXIDES (1,000 TONS)	15.22	.88	30.94	54.55	10.60		
STACKS: - TOTAL NO.	3	4	1	4	4		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	250.00 350.00	99.00 107.00	550.00	273.00 550.00	269.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]	127.20		100.70	515.60	75.10		
SOLD (1,000 TONS) [11]				28.30	16.30		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	447.00			1,004.00			
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)				979.00			
STACKS ($1,000)	892.00	53.80		189.30	65.30		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	123.20		31.30	14.30	9.60		
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	123.20		31.30	189.30	65.30		
TOTAL BYPRODUCT SALES REVENUES ($1,000)				14.30	9.60		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MISSISSIPPI RIVER	OGOOD CANAL	WABASH RIVER	OHIO RIVER	ST. JOSEPH RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	645.20	2.01	637.00	1,420.00	385.00		
AVERAGE RATE OF DISCHARGE (CFS)	645.20	.21	635.70	1,420.00	385.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.55	1.80	1.30	12.21	3.31		
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	AUG JAN	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 42.00	90.00 57.00	83.00 41.00	85.00 49.00	77.00 38.00		
AT OUTFALL, SUMMER - WINTER	100.00 68.00	116.00 109.00	95.00 52.00	96.00 60.00	89.00 50.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	263,500.00	.02	10,440.00	24,600.00	3,020.00		
- WINTER	67,900.00	.01	10,440.00	24,600.00	3,020.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C					
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.85	10.37 .09		.10	.50		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	125.00	.03	10.00	.14	.20		
LIME (TONS), COOLING WATER - BOILER MAKEUP	10.00		21.00		50.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP, [17]	220.00	14.84	36.00	216.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES YES	YES	NO YES	NO YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	ST	ST	OT	ST		
RECEIVING WATER BODY [19]	MISSISSIPPI RIVER		WABASH RIVER	OHIO RIVER			
POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	9.00 9.50		8.40	9.60	8.10		
SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING	35.00 300.00			12.00	15.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	2,800.00						
- ASH SETTLING	175,000.00		30,500.00	120,000.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 655.50		1 495.60	4 1,100.30	5 394.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)		4 189.10					
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1964	1949 1968	1960	1951 1964	1925 1949		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	6.00 23.00	15.00 21.00	12.20	6.00 13.60	9.70 12.60		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	912.00	277.50	669.90	1,589.70	594.80		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	912.00		720.00	1,649.00	1,054.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,900.00			1,737.00			
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)		1,642.10					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	18.40	12.80	15.50	29.90	4.00		
COST OF CHEMICAL ADDITIVES ($1,000)	22.00	14.70	3.00	16.20	2.10		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	31.80	7.00	6.50	5.20	2.70		
COST OF CHEMICAL ADDITIVES ($1,000)	61.00	3.70	11.00	13.10	2.10		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	INDIANA-KENTUCKY ELECTRIC CORP.	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	
NAME OF PLANT	CLIFTY CREEK	STOUT	PRITCHARD	PERRY	PETERSBURG		
UTILITY-PLANT CODE	22550C-C100	226000-C100	226000-C200	226000-0300	226000-0500		
STATE	INDIANA	INDIANA	INDIANA	INDIANA	INDIANA		
COUNTY	JEFFERSON	MARION	MORGAN	MARION	PIKE		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	083 05	080 05	080 05	080 05	077 05		
PLANT CAPACITY (MW)	1,304.00	383.84	383.64	47.50	724.44		
ANNUAL GENERATION (MWH) [3]	10,167,600	1,758,100	1,528,300	84,073	1,939,300		
PLANT HEAT RATE (BTU/KWH) [3]	9,227	10,371	11,266	15,092	9,806		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	4,280.00	820.90	768.50	292.50	826.50		
AVEPAGE HEAT CONTENT (BTU/LB)	11,064	11,481	11,200	11,149	11,189		
AVERAGE SULFUR CONTENT (%)	3.19	3.77	3.25	3.65	3.64		
AVERAGE ASH CONTENT (%)	11.43	10.16	10.56	11.66	10.93		
AVERAGE MOISTUPE CONTENT (%)	11.97	11.58	13.18	12.58	12.43		
OIL: CONSUMPTION (1,000 BAPPELS)		7.50	8.40		32.10		
AVEPAGE HEAT CONTENT (BTU/GAL)		140,000	140,000		140,000		
AVERAGE SULFUP CONTENT (%)		.10	.10		.10		
GAS: CONSUMPTION (1,000 MCF)				52.50			
AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,000			

PLANT EQUIPMENT DATA

BOILEPS: - TOTAL NO.	6	12	6	11	2		
- NO. OF WET BOTTOM	6	2	3				
- NO. WITH FLY ASH REINJECTION				2			
- NO. WITH MECHANICAL PRECIPITATORS		3	6	2			
- NO. WITH ELECTROSTATIC PRECIPITATORS				4	1		
- NO. WITH COMBINATION PRECIPITATOPS [4]	6	1			1		
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]		15.00					
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		78.50 90.20	75.00	13.00 33.00			
TESTED, LOW - HIGH		66.00	72.00 76.70	92.50			
ESTIMATED, LOW - HIGH		66.00 75.00	75.00	73.00			
ELECTPOSTATIC/COMBINATION PPECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	96.10	98.90		90.00 97.00	97.00		
TESTED, LOW - HIGH		99.00		84.30 99.21	83.70		
EST., LOW - HIGH	96.10	98.50		85.00 98.30	93.00 97.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	12.40	13.91	16.34	2.58	5.20		
SULFUP DIOXIDE (1,000 TONS)	267.60	60.66	48.96	20.93	58.98		
NITPOGEN OXIDES (1,000 TONS)	64.20	8.08	7.97	2.62	7.51		
STACKS: - TOTAL NO.	3	12	3	3	1		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	682.00	134.00 250.00	250.00	272.00	550.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]	486.00	63.20	55.10	30.00	74.30		
SOLD (1,000 TONS) [11]	5.00			9.50			
TOTAL SULFUP: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		180.00	294.70	48.90			
ELECTROSTATIC PRECIPITATOPS ($1,000)				662.20	836.00		
COMBINATION PRECIPITATCPS ($1,000) [4]	3,390.00	415.50			718.10		
OESULFURIZATION SYSTEMS ($1,CCO)							
STACKS ($1,OOO)	2,886.00	318.00	249.50	107.96	772.00		
ASH COLLECTION ANO OISPOSAL EXPENSES ($1,000)	475.00	68.00	35.90	86.70	23.70		
PEVENUES FROM SALE OF ASH ($1,000)				3.60			
SULFUR PPOOUCT COLLECTION ANO DISPOSAL EXPENSES ($1,CCO)							
REVENUES FROM SALE OF SULFUP PRODUCTS ($1,OCO)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	475.00	68.00	35.90	86.70	23.70		
TOTAL BYPPODUCT SALES REVENUES ($1,000)	2.00			3.60			

WATER QUALITY CONTROL DATA

COOLING WATER: SOUPCE	OHIO RIVER	WHITE PIVEP	WHITE PIVEP	WHITE RIVER	WHITE PIVEP		
AVEPAGE PATE OF WITHORAWAL (CFS)	2,130.00	267.60	267.00	13.30	215.00		
AVEPAGE RATE OF OISCHARGE (CFS)	2,130.00	267.60	267.00	11.50	215.00		
AVE. PATE OF CONSUMPTION (CFS), CALCULATED - REPOPTED [14]	18.32			1.80	1.85		
PEAK LOAO MONTH : SUMMER - WINTER [15]	JUL JAN	JUL OEC	JUL OEC	JUL OEC	JUL OEC		
MAX. TEMP. OUPING PEAK MONTH (OEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 40.00		87.00 48.00	83.00 38.50	84.30 40.10		
AT OUTFALL, SUMMER - WINTER	97.70 51.40		78.30	115.00 58.80	106.20 69.00		
AVE. FLOW IN PECEIVING BODY OURING PEAK MONTH (CFS): SUMMER				1,355.00	13,580.00		
- WINTEP							
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	C	H	C		
CHEMICAL AOOITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		10.25	2.02	5.70	.02		
CAUSTIC SOOA (TONS), COOLING WATER - BOILER MAKEUP	.90	.40			.04		
LIME (TONS), COOLING WATER - BOILER MAKEUP		70.00	38.06	582.30	9.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	210.00	164.75 5.00	172.65	9.00	32.00 .02		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	NO YES	NO YES	YES	NO YES		
SEWAGE OISPOSAL: METHOO PS, ST, SW, OT [18]	OT	ST	ST	PS	ST		
RECEIVING WATEP BOOY [19]	OHIO RIVER				WHITE RIVEP		
PONO OISCHAPGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.55			10.50	9.60		
SUSPENOED SOLIOS (PPM), BOILER BLOWDOWN - ASH SETTLING	100.00						
VOLUME (1,CCO CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING	585.59			2.50	720.00		

COOLING FACILITY DATA

NO. OF UNITS ANO CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	6 1,303.56		I 113.64		2 724.44		
ONCE THROUGH COOLING (SALINE)							
COOLING PONO(S)							
COOLING TOWER(S)							
COMBINATIONS [21]		6 375.78	5 280.00	4 47.50			
COOLING SYSTEM, YEAP OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1955 1956	1931 1961	1949 1956	1938			
OESIGN: TEMP. RISE ACROSS CONDENSERS (OEG. F), SMALLEST - LAPGEST [22]	12.00	19.00 19.50	19.00 19.50		23.50 25.00		
TOTAL RATE OF FLOW THPOUGH ALL CONDENSERS (CFS)	2,032.20	501.00	481.40		633.70		
TOTAL RATE OF WITHOPAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,032.20	501.00	481.40	89.00	633.70		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,CCO)	3,504.00	2,309.70	1,806.10	646.00	3,256.00		
COOLING PONDS ($1,000)							
COOLING TOWEPS ($1,000)		889.40	323.20				

ANNUAL COOLING WATER EXPENSES

OPEPATION ANO MAINTENANCE EXPENSES ($1,000)	152.60	21.20	19.90	28.00	22.80		
COST OF CHEMICAL ADDITIVES ($1,000)	16.30	38.70	18.00	1.00	3.20		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION ANO MAINTENANCE EXPENSES ($1,CCO)	55.20	67.00	28.80	86.50	65.40		
COST OF CHEMICAL ADDITIVES ($1,000)	8.80	18.70	5.80	46.00	26.40		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	INTERSTATE POWER CO.	INTERSTATE POWER CO.	INTERSTATE POWER CO.	INTERSTATE POWER CC.	IOWA ELECTRIC LIGHT & POWER CO.		
4	NAME OF PLANT	OUBUQUE	FOX LAKE	LANSING	KARP	BOONE		
5	UTILITY-PLANT CCOE	227000-0300	227000-0400	227000-0700	227000-0800	228500-0600		
6	STATE	ICWA	MINNESOTA	IOWA	IOWA	ICWA		
7	COUNTY	OUBLOUE	MAPTIN	ALLAMAKEE	CLINTON	BOONE		
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	068 07	128 07	088 07	069 07	092 07		
9	PLANT CAPACITY (MW)	91.25	104.60	64.00	237.20	34.20		
10	ANNUAL GENERATION (MWH)[3]	396,800	469,500	222,900	1,251,200	117,960		
11	PLANT HEAT RATE (BTU/KWH)[3]	13,701	11,239	12,410	10,363	13,000		
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	101.00	19.00	121.00	513.00	9.50		
13	AVERAGE HEAT CONTENT (BTU/LB)	11,525	10,912	11,371	11,303	9,455		
14	AVERAGE SULFUR CONTENT (%)	3.15	1.95	3.09	3.04	5.14		
15	AVERAGE ASH CONTENT (%)	10.45	10.23	10.29	10.48	18.96		
16	AVERAGE MOISTURE CONTENT (%)	10.40	11.70	11.07	10.79	16.52		
17	OIL: CONSUMPTION (1,000 BARRELS)		275.00					
18	AVERAGE HEAT CONTENT (BTU/GAL)		150,446					
19	AVERAGE SULFUR CONTENT (%)		2.51					
20	GAS: CONSUMPTION (1,000 MCF)	3,084.00	3,119.00		1,377.00	1,337.80		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,007	1,007		1,000	1,007		
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	5	3	3	2	2		
23	- NO. OF WET BOTTOM	2	2	3	2			
24	- NO. WITH FLY ASH REINJECTION					2		
25	- NO. WITH MECHANICAL PRECIPITATORS	2						
26	- NO. WITH ELECTROSTATIC PRECIPITATORS				1			
27	- NO. WITH COMBINATION PRECIPITATORS[4]							
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	25.00	20.00 28.00	25.00	18.00 25.00	22.00 24.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	77.00 87.00				80.00		
31	TESTED, LOW - HIGH	64.00 75.50				80.00		
32	ESTIMATED, LOW - HIGH	60.00 74.00						
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				98.00			
34	TESTED, LOW - HIGH				99.10			
35	EST., LOW - HIGH				98.50			
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.52	1.31	8.09	1.80	.31		
40	SULFUR DIOXIDE (1,000 TONS)	6.24	3.04	7.33	30.57	.96		
41	NITROGEN OXIDES (1,000 TONS)	1.72	1.50	1.82	7.96	.35		
42	STACKS: - TOTAL NO.	5	2	2	2	2		
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	106.00 128.00	142.00	151.00	175.00 245.00	183.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	6.90	.40	2.00	48.90	1.40		
46	SOLD (1,000 TONS)[11]							
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					53.00		
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	196.00						
51	ELECTROSTATIC PRECIPITATORS ($1,000)				365.00			
52	COMBINATION PRECIPITATORS ($1,000)[4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	47.00	92.28	17.20	239.40	27.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	10.00	.60	1.00	32.00	3.00		
56	REVENUES FROM SALE OF ASH ($1,000)							
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	10.00	.60	1.00	32.00	3.00		
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	MISSISSIPPI RIVER	FOX LAKE	MISSISSIPPI RIVER	MISSISSIPPI RIVER	CITY WATER		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	76.00	77.00	51.00	154.00	.75		
63	AVERAGE RATE OF DISCHARGE (CFS)	76.00	77.00	51.00	154.00	.12		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.65	.66	.44	1.32	.62		
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC			
66	MAX. TEMP. DUPING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00 35.00	86.00 39.00	82.00 35.00	82.00 39.00			
67	AT OUTFALL, SUMMER - WINTER	98.00 58.00	104.00 58.00	93.00 50.00	107.00 82.00			
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	70,000.00		39,500.00	74,000.00			
69	- WINTER	18,000.00		16,900.00	19,500.00			
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	H			
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.52	.40	.39	.81	.15		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	19.16	16.34	6.95	36.54	12.00		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		8.50					
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.88	1.78	.79	24.93	2.70		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	ST	PS	PS		
78	RECEIVING WATER BODY[19]							
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.40 8.60	9.50 7.60	9.50 7.60	9.50 8.30	10.70		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					7.50		
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	810.00	895.00	800.90	3,100.00	16.00		
82	- ASH SETTLING	4,104.00	780.00	10,600.00	2,957.00			
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 91.25	3 104.60	3 64.00	2 237.20			
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING POND(S)							
86	COOLING TOWER(S)					4 34.20		
87	COMBINATIONS[21]							
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1926 1959	1950 1962	1948 1957	1947 1967	1942 1953		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	9.30 16.30	12.80 17.40	11.50 16.30	10.40 21.40	15.00 20.00		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	220.00	147.00	134.00	263.00	86.90		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	220.00	147.00	134.00	263.00			
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	266.00	353.00	557.00	822.00			
93	COOLING PONDS ($1,000)					376.00		
94	COOLING TOWERS ($1,000)							
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	10.00	6.50	20.00	8.00		
96	COST OF CHEMICAL ADDITIVES ($1,000)	.20	.50	.20	4.80	7.00		
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.00	9.50	8.20	28.00	8.00		
98	COST OF CHEMICAL ADDITIVES ($1,000)	6.40	6.20	2.80	8.80	3.00		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	IOWA ELECTRIC LIGHT & POWER CO.		IOWA ELECTRIC LIGHT & POWER CO.		IOWA ELECTRIC LIGHT & POWER CO.		IOWA ELECTRIC LIGHT & POWER CO.		IDWA-ILLINDIS GAS & ELECTRIC CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	6TH ST.		PRAIRE CREEK #4		PRAIRE CREEK #1-3		SUTHERLAND		MOLINE		4
5	UTILITY-PLANT CODE	5	22850C-780C		22850C-2100		22850C-2200		22850C-2600		229CCC-C2CC		5
6	STATE	6	IOWA		IOWA		IOWA		IOWA		ILLINOIS		6
7	COUNTY	7	LINN		LINN		LINN		MARSHALL		ROCK ISLAND		7
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	8	C88	C7	088	C7	C88	C7	C92	07	069	07	8
9	PLANT CAPACITY (MW)	9		92.20		148.70		96.00		156.60		99.14	9
10	ANNUAL GENERATION (MWH) 3/	10		146,100		626,300		391,000		948,000		300,100	10
11	PLANT HEAT RATE (BTU/KWH) 3/	11		20,433		10,005		12,491		11,197		13,436	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12		190.00		274.90		90.40		155.10		17.50	12
13	AVERAGE HEAT CONTENT (BTU/LB)	13		10,322		10,190		10,160		9,685		10,593	13
14	AVERAGE SULFUR CONTENT (%)	14		2.46		2.45		2.47		4.38		1.87	14
15	AVERAGE ASH CONTENT (%)	15		8.01		8.01		8.20		16.07		7.19	15
16	AVERAGE MOISTURE CONTENT (%)	16		18.48		18.55		18.17		15.35		17.07	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17		1.60		.90		.30					17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18		157,315		138,778		138,833					18
19	AVERAGE SULFUR CONTENT (%)	19		2.57		.41		.41					19
20	GAS: CONSUMPTION (1,000 MCF)	20		478.10		631.60		2,874.40		7,571.00		3,479.00	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21		1,052		1,053		1,052		1,007		1,052	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22		10		1		3		3		9	22
23	- NO. OF WET BOTTOM	23		10		1		1		1			23
24	- NO. WITH FLY ASH REINJECTION	24						2		1			24
25	- NO. WITH MECHANICAL PRECIPITATORS	25		8		1		3		3			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26		2									26
27	- NO. WITH COMBINATION PRECIPITATORS 4/	27											27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	29	20.00	25.00		20.00	22.00	25.00	16.00	22.00	5.00	25.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	47.00	78.00		80.00		85.00		80.00			30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32	47.00	78.00		80.00		80.00		80.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	33		98.00									33
34	TESTED, LOW - HIGH	34		98.00									34
35	EST., LOW - HIGH	35		98.00									35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	39		1.88		2.86		1.33		1.83		.82	39
40	SULFUR DIOXIDE (1,000 TONS)	40		9.17		13.20		4.38		13.29		.64	40
41	NITROGEN OXIDES (1,000 TONS)	41		2.95		4.25		1.68		4.73		.81	41
42	STACKS: - TOTAL NO.	42		10		1		2		3		5	42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	43		198.00		200.00		180.00		190.00	120.00	165.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	45		15.90		18.80		6.26		24.00		.50	45
46	SOLD (1,000 TONS) 11/	46											46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50		230.00		56.80		75.00		157.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51		323.00									51
52	COMBINATION PRECIPITATORS ($1,000) 4/	52											52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54		76.00		120.90		104.00		62.00		35.30	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55		37.00		29.00		8.60		17.00		8.00	55
56	REVENUES FROM SALE OF ASH ($1,000)	56											56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	59		37.00		29.00		8.60		17.00		8.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60											60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	LOCAL RUNOFF		CEDAR RIVER		CEDAR RIVER		WELLS		MISSISSIPPI RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62		5.50		117.00		110.00		3.60		100.50	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63		5.50		117.00		110.00		.60		100.50	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	64			1.01		.95			3.00	.86		64
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	65			JUL	DEC	JUL	DEC			AUG	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66			87.00	42.00	87.00	42.00			82.00	36.00	66
67	AT OUTFALL, SUMMER - WINTER	67			108.00	72.00	102.00	64.00			83.00	37.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68				27,200.00		27,200.00				27,900.00	68
69	- WINTER	69				1,170.00		1,170.00				18,100.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D 16/	70	H		H		H		C		H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		3.00		.20		.10		.25		.34	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72				21.00		14.00		.01		.14	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74											74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	14.00		22.80		17.20		35.00		3.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	76		YES		YES		YES	YES	YES		YES	76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT 18/	77	PS		ST		ST		ST		PS		77
78	19/ RECEIVING WATER BODY	78											78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	79	10.90	10.70	10.20		10.30		10.50		8.90		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	28.00	80.00	15.00		7.50		7.50				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81		4,450.00		17.00		28.00		14.00		234.00	81
82	- ASH SETTLING	82		192.50		1,926.54		300.00				14.56	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)	83			1	148.70	3	96.00			5	99.10	83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING POND(S)	85	7	92.25									85
86	COOLING TOWER(S)	86							3	156.60			86
87	COMBINATIONS 21/	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1917	1950		1967	1950	1958	1955	1961	1913	1954	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	89	12.00	18.00		20.00	15.00	16.20	15.80	16.10	15.00	23.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		31.90		157.00		163.00		220.00		277.80	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91				158.00		163.00				277.80	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92				1,133.50		663.50				427.00	92
93	COOLING PONDS ($1,000)	93		314.00									93
94	COOLING TOWERS ($1,000)	94								1,250.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95		11.00		14.00		8.00		22.00		4.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96		2.00		3.00		2.00		45.00		1.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97		124.00		15.00		8.00		10.00		8.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98		1.00		3.00		3.00		16.00		1.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	IOWA-ILLINOIS GAS & ELECTRIC CO.	IOWA PUBLIC SERVICE CO.	IOWA PUBLIC SERVICE CO.	IOWA PUBLIC SERVICE CO.	IOWA POWER & LIGHT CO.		
NAME OF PLANT	RIVERSIDE	BIG SIOUX	GEORGE NEAL	MAYNARD	COUNCIL BLUFFS		
UTILITY-PLANT CODE	229000-0300	229500-0200	229500-0800	229500-1300	230000-0100		
STATE	IOWA	IOWA	IOWA	IOWA	IOWA		
COUNTY	SCOTT	WOODBURY	WOODBURY	BLACKHAWK	POTTAWATTAMIE		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	069 07	086 10	086 10	088 07	085 10		
PLANT CAPACITY (MW)	244.51	40.00	147.00	100.00	130.60		
ANNUAL GENERATION (MWH)[3]	1,492,700	38,378	930,500	448,000	798,800		
PLANT HEAT RATE (BTU/KWH)[3]	11,579	19,886	10,090	12,512	10,888		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	304.00	.25	172.17	94.00	172.30		
AVERAGE HEAT CONTENT (BTU/LB)	10,631	12,732	11,197	11,024	11,283		
AVERAGE SULFUR CONTENT (%)	1.82	3.60	3.10	2.97	3.15		
AVERAGE ASH CONTENT (%)	7.38	11.11	10.26	9.49	10.74		
AVERAGE MOISTURE CONTENT (%)	16.66	4.05	10.66	11.10	10.92		
OIL: CONSUMPTION (1,000 BARRELS)		.07					
AVERAGE HEAT CONTENT (BTU/GAL)		140,000					
AVERAGE SULFUR CONTENT (%)		1.00					
GAS: CONSUMPTION (1,000 MCF)	11,227.00	679.82	5,690.40	3,510.00	4,776.20		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,053	999	993	1,011	1,007		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	9	4	1	5	2		
- NO. OF WET BOTTOM	4		1				
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS	3			5	2		
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	5.00	25.00	10.40	25.00	22.00 23.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00			82.00 87.50	80.00		
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH	85.00 87.00			85.00	80.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	5.82	.02	1.77	1.01	3.15		
SULFUR DIOXIDE (1,000 TONS)	10.84	.02	10.43	5.17	10.64		
NITROGEN OXIDES (1,000 TONS)	4.94	.13	5.84	1.43	2.48		
STACKS: - TOTAL NO.	7	1	1	3	2		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	144.00 346.00	300.00	250.00	250.00 270.00	250.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	11.10		14.30	9.20	15.50		
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	168.90			95.00	187.00		
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)							
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	240.30	35.30	53.20	121.00	306.00		
REVENUES FROM SALE OF ASH ($1,000)	32.00		14.47	14.00	37.00		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	32.00		14.47	14.00	37.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MISSISSIPPI RIVER	BIG SIOUX RIVER	MISSOURI RIVER	CEDAR RIVER	MISSOURI RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	307.30	34.50	158.90	147.00	165.00		
AVERAGE RATE OF DISCHARGE (CFS)	307.30	34.50	158.90	147.00	150.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.64	.30	1.37	1.26	1.42 15.00		
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUL DEC	JUL DEC	JUL DEC	JUL JAN		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 55.00	78.00 37.00	76.00 37.00	74.00 37.00	91.00 38.00		
AT OUTFALL, SUMMER - WINTER	98.00 67.00	87.00 48.00	89.00 61.00	89.00 51.00	105.00 59.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	27,900.00	3,239.00	38,580.00	19,160.00	44,940.00		
- WINTER	18,100.00	213.00	21,600.00	1,730.00	15,110.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	C	H	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.38	.09	.04	.50	.35		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.55	.14	.78	63.78	.20		
LIME (TONS), COOLING WATER - BOILER MAKEUP	.60		83.15		60.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	57.89		5.43				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	24.00 2.85			6.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	NO YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	ST	RS	SW		
POND DISCHARGE:[19] RECEIVING WATER BODY					MISSOURI RIVER		
PH, BOILER BLOWDOWN - ASH SETTLING	8.90	11.00	9.80	10.50 6.70	10.50 8.70		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		25.00		10.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	415.00	113.31	8.86	1,893.22	200.00		
- ASH SETTLING	319.00			473.29			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 241.40	4 40.00	1 147.00	6 95.00	2 130.60		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1961	1924 1948	1964	1937 1958	1954 1958		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.50 18.50	12.00	18.00	10.00	15.70 17.40		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	442.80	164.30	158.90	138.90	173.40		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	442.80	133.70	158.90	240.00	180.50		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	767.00	297.00	725.00	146.00	1,311.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	8.00		5.30		16.00		
COST OF CHEMICAL ADDITIVES ($1,000)	5.00			1.00			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	35.00	.50	8.30	12.00	10.00		
COST OF CHEMICAL ADDITIVES ($1,000)	64.00	5.00	2.60	13.00	5.30		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	IOWA POWER & LIGHT CO.	IOWA SO. UTIL. CO.	IOWA SO. UTIL. CO.	JACKSONVILLE ELECTRIC LIGHT PLT.	JACKSONVILLE ELECTRIC LIGHT PLT.	1
2		2						2
3		3						3
4	NAME OF PLANT	4	DES MOINES #2	BRIDGEPORT	BURLINGTON	KENNEDY	NORTHSIDE	4
5	UTILITY-PLANT CODE	5	23500-C200	23500-0100	23500-C200	23450-0100	23450-C200	5
6	STATE	6	IOWA	IOWA	IOWA	FLORIDA	FLORIDA	6
7	COUNTY	7	POLK	MONROE	DES MOINES	DUVAL	DUVAL	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	092 07	092 07	065 07	049 03	049 03	8
9	PLANT CAPACITY (MW)	9	325.00	71.00	212.00	373.96	280.00	9
10	ANNUAL GENERATION (MWH)[3]	10	1,436,600	317,500	1,062,000	1,082,100	1,372,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	12,185	14,317	10,163	10,853	9,593	11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	12	348.70	227.50	518.80			12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	9,386	9,982	10,344			13
14	AVERAGE SULFUR CONTENT (%)	14	4.07	3.87	2.54			14
15	AVERAGE ASH CONTENT (%)	15	14.17	12.84	7.39			15
16	AVERAGE MOISTURE CONTENT (%)	16	18.31	16.65	19.55			16
17	OIL: CONSUMPTION (1,000 BARRELS)	17			9.90	1,878.00	2,109.00	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18			137,000	148,778	148,676	18
19	AVERAGE SULFUR CONTENT (%)	19			.01	1.45	1.45	19
20	GAS: CONSUMPTION (1,000 MCF)	20	10,881.60					20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,006					21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	22	6	3	1	5	1	22
23	- NO. OF WET BOTTOM	23						23
24	- NO. WITH FLY ASH REINJECTION	24		3				24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	5	3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26			1			26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	7.00 23.00	56.00	20.00	12.00 15.00	6.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	50.00 80.00	93.00				30
31	TESTED, LOW - HIGH	31						31
32	ESTIMATED, LOW - HIGH	32	65.00 75.00	92.50				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33			98.00			33
34	TESTED, LOW - HIGH	34			98.50			34
35	EST., LOW - HIGH	35						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	11.40	3.50	.49	.32	.35	39
40	SULFUR DIOXIDE (1,000 TONS)	40	28.13	16.92	25.83	9.14	10.26	40
41	NITROGEN OXIDES (1,000 TONS)	41	5.30	1.67	4.69	4.14	4.65	41
42	STACKS: - TOTAL NO.	42	6	3	1	6	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	138.00 250.00	150.00	306.00	136.00 155.00	250.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	41.60	28.70	37.80	71.00	226.00	45
46	SOLD (1,000 TONS)[11]	46	9.00	3.00		71.00	226.00	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50	416.00	45.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51			367.00			51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52						52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54	336.00	108.00	212.00	110.00	175.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	50.00	29.50	24.50	6.50	14.10	55
56	REVENUES FROM SALE OF ASH ($1,000)	56		.20		10.90	48.00	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	50.00	29.50	24.50	6.50	14.10	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60		.20		10.90	48.00	60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	61	DES MOINES RIVER	DES MOINES RIVER	MISSISSIPPI RIVER	ST. JOHNS RIVER	ST. JOHNS RIVER	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	302.00	.81	151.47	283.80	300.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	302.00		151.47	283.80	300.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64		.81	1.30	2.44	2.58	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	JUL DEC		JUL DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	90.00 42.00		80.50 42.00	89.00 62.00	84.00 63.00	66
67	AT OUTFALL, SUMMER - WINTER	67	105.00 57.00		101.50 64.50	102.00 70.00	101.00 81.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	21,830.00		40,000.00	109,000.00	63,000.00	68
69	- WINTER	69	800.00		72,000.00	109,000.00	63,000.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	70	O		O	H	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	2.50	.05	.15	.85		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	54.50	23.66			367.50	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73		190.00 10.00			30.00	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74		33.50 1.50			5.00	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	60.00	5.50	31.00	90.00	90.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76		YES YES	YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	ST	ST	ST	SW	OT	77
78	[19] RECEIVING WATER BODY	78		ASH SETTLING POND	MISSISSIPPI RIVER		SAN CARLOS CREEK	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	10.50 9.10	10.40	7.80			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	3.00 .30	10.00	12.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	1,400.00					81
82	- ASH SETTLING	82	217,000.00	46,000.00	51,000.00			82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83			1 212.00			83
84	ONCE THROUGH COOLING (SALINE)	84				7 339.96	1 280.00	84
85	COOLING POND(S)	85						85
86	COOLING TOWER(S)	86		3 71.00				86
87	COMBINATIONS[21]	87	7 324.60					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1925 1964	1953 1957	1967	1939 1961	1966	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	12.00 18.00	17.50	22.20	15.00 18.00	10.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	656.00	124.00	180.00	593.20	323.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	656.00		180.00	345.00	323.00	91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	825.00		1,153.00	410.00	2,230.00	92
93	COOLING PONDS ($1,000)	93						93
94	COOLING TOWERS ($1,000)	94	1,209.00	1.32				94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	30.00	62.60	25.90	4.78	33.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	8.00	11.00	4.70	6.17	7.26	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	20.00	22.60	1.80	56.16	15.50	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	14.00	5.30	1.40	1.00	21.60	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	JACKSONVILLE ELECTRIC LIGHT	JERSEY CENTRAL POWER & LIGHT CO.	JERSEY CENTRAL POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.
NAME OF PLANT	SOUTHSIDE	WERNER	SAYREVILLE	GRAND AVE	HAWTHORNE
UTILITY-PLANT CODE	23450C-0300	237000-0100	237000-0200	241500-0100	241500-0200
STATE	FLORIDA	NEW JERSEY	NEW JERSEY	MISSOURI	MISSOURI
COUNTY	DUVAL	MIDDLESEX	MIDDLESEX	JACKSON	JACKSON
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	049 03	043 02	043 02	094 10	094 10
PLANT CAPACITY (MW)	356.60	116.25	346.75	126.75	906.00
ANNUAL GENERATION (MWH) [3]	1,198,500	631,700	2,137,100	113,194	2,620,700
PLANT HEAT RATE (BTU/KWH) [3]	10,900	12,350	10,568	19,864	11,399

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			584.00	68.00	320.10	
AVERAGE HEAT CONTENT (BTU/LB)			13,162	12,021	11,887	
AVERAGE SULFUR CONTENT (%)			2.94	2.51	3.09	
AVERAGE ASH CONTENT (%)			8.65	11.12	13.24	
AVERAGE MOISTURE CONTENT (%)			4.13	7.91	7.34	
OIL: CONSUMPTION (1,000 BARRELS)	2,088.03	1,256.00	728.00	15.51		
AVERAGE HEAT CONTENT (BTU/GAL)	148,860	147,894	146,164	138,062		
AVERAGE SULFUR CONTENT (%)	1.45	.86	.79	.66		
GAS: CONSUMPTION (1,000 MCF)			2,698.00	2,727.00	23,853.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,020	970	944	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	4	6	5	5	
- NO. OF WET BOTTOM			4			
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS			2	1	4	
- NO. WITH ELECTROSTATIC PRECIPITATORS		1	2		1	
- NO. WITH COMBINATION PRECIPITATORS [4]				3		
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	10.00	10.00 22.00	10.00 20.00	10.00 20.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			86.20	80.00	85.00	
TESTED, LOW - HIGH			88.40 89.30			
ESTIMATED, LOW - HIGH			88.00 89.00	85.00	85.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		85.00	90.00	99.40	99.00	
TESTED, LOW - HIGH		86.70	90.80 95.30			
EST., LOW - HIGH			90.00 95.00	99.00	99.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.36	.10	1.31	.08	3.48	
SULFUR DIOXIDE (1,000 TONS)	10.54	3.62	35.58	3.38	19.31	
NITROGEN OXIDES (1,000 TONS)	4.78	2.77	15.05	1.18	7.52	
STACKS: - TOTAL NO.	6	4	5	3	3	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	133.50 145.00	124.00 210.00	138.00 221.00	114.00 240.00	200.00 600.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	.05					
TOTAL ASH: COLLECTED (1,000 TONS) [10]	209.00		53.00	7.20	36.60	
SOLD (1,000 TONS) [11]	209.00		12.00			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			112.00	18.50	324.00	
ELECTROSTATIC PRECIPITATORS ($1,000)		212.00	604.00		1,294.00	
COMBINATION PRECIPITATORS ($1,000) [4]				361.20		
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	164.00	60.50	134.00	128.00	1,014.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	16.40		57.00	67.00	164.00	
REVENUES FROM SALE OF ASH ($1,000)	37.80					
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	16.40	400.00	707.00	72.00	166.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	37.80		10.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	ST. JOHNS RIVER	RARITAN RIVER	RARITAN RIVER	MISSOURI RIVER	MISSOURI RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	450.70	193.00	430.00	36.00	785.00	
AVERAGE RATE OF DISCHARGE (CFS)	450.70	193.00	430.00	36.00	785.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.88	1.66	3.70	.31	6.75	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUN MAR	JUL JAN	JUL JAN	JUL JAN	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 65.00	77.50 38.30	82.30 39.30	60.00 33.00	60.00 33.00	
AT OUTFALL, SUMMER - WINTER	99.00 78.00	85.70 47.00	95.00 52.00	80.00 60.00	80.00 60.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	92,000.00			50,000.00	50,000.00	
- WINTER	92,000.00			20,000.00	20,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.00	.74	5.50	7.55	1.85	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		1.38	60.85		1.08	
LIME (TONS), COOLING WATER - BOILER MAKEUP		12.40				
ALUM (TONS), COOLING WATER - BOILER MAKEUP		3.60				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	120.00	56.00	70.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	NO YES	NO YES	NO YES	NO YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	SW/PS	ST	ST	PS	ST	
[19] RECEIVING WATER BODY						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			6.70			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			203.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING			149,600.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)				5 126.70	5 908.09	
ONCE THROUGH COOLING (SALINE)	5 356.60	3 116.26	5 346.75			
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1964	1930 1953	1930 1958	1929 1949	1951 1969	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.50 18.00	7.00 10.50	13.60 16.20			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	551.70	343.10	509.78			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	544.82	348.26	510.00	501.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	797.00	625.00	1,368.00	1,063.00	5,155.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.71	25.10	50.00	10.00	27.00	
COST OF CHEMICAL ADDITIVES ($1,000)	8.30	.70	21.56			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	87.64	10.60	3.50	155.00	126.00	
COST OF CHEMICAL ADDITIVES ($1,000)	6.10	5.90	.90			

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY BOARD OF PUBLIC UTILS.	KANSAS CITY BOARD OF PUBLIC UTILS.	KANSAS CITY BOARD OF PUBLIC UTILS.		
NAME OF PLANT	MONTROSE	NORTHEAST	KAW	QUINDARO #2	QUINDARO #3		
UTILITY-PLANT CODE	24150C-C3C0	24150C-0400	24200C-0100	24200C-0200	24200C-0300		
STATE	MISSOURI	MISSOURI	KANSAS	KANSAS	KANSAS		
COUNTY	HENRY	JACKSON	WYANDOTTE	WYANDOTTE	WYANDOTTE		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	139 IC	094 IC	094 IC	094 IC	094 IC		
PLANT CAPACITY (MW)	563.10	156.00	161.28	101.00	81.60		
ANNUAL GENERATION (MWH) [3]	3,079,800	48,758	726,711	281,629	368,600		
PLANT HEAT RATE (BTU/KWH) [3]	10,603	19,958	11,680	15,792	10,262		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,727.00		70.58	24.40	72.71		
AVERAGE HEAT CONTENT (BTU/LB)	9,448		11,044	12,261	12,312		
AVERAGE SULFUR CONTENT (%)	6.03		3.20	3.20	3.20		
AVERAGE ASH CONTENT (%)	23.91		12.89	11.54	11.34		
AVERAGE MOISTURE CONTENT (%)	9.91		10.93	6.82	6.36		
OIL: CONSUMPTION (1,000 BARRELS)	11.50						
AVERAGE HEAT CONTENT (BTU/GAL)	138,003						
AVERAGE SULFUR CONTENT (%)	.60						
GAS: CONSUMPTION (1,000 MCF)		1,007.50	7,033.27	4,168.30	2,109.74		
AVERAGE HEAT CONTENT (BTU/CU.FT.)		964	985	942	944		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	8	3	6	1		
- NO. OF WET BOTTOM			3	6	1		
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS			2	2			
- NO. WITH ELECTROSTATIC PRECIPITATORS	3		1		1		
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	20.00	16.00 25.00	25.00 41.00	16.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00	85.00			
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH			85.00	85.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00		97.00		97.00		
TESTED, LOW - HIGH					98.82		
EST., LOW - HIGH	95.00		97.00		97.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	17.55		.89	1.01	.02		
SULFUR DIOXIDE (1,000 TONS)	204.12		4.43	1.53	4.56		
NITROGEN OXIDES (1,000 TONS)	15.56	.20	2.40	1.13	2.41		
STACKS: - TOTAL NO.	2	5	3	5	1		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	450.00	150.00 159.00	204.50 208.00	155.00	350.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]	397.90		8.87	2.81	8.14		
SOLD (1,000 TONS) [11]	74.20						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			120.00	100.00			
ELECTROSTATIC PRECIPITATORS ($1,000)	1,285.00		247.00		245.00		
COMBINATION PRECIPITATORS ($1,000) [14]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	457.00	33.00	196.62	132.00	174.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	327.00		89.00	28.00	81.40		
REVENUES FROM SALE OF ASH ($1,000)	87.00						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	343.00		89.00	28.00	81.40		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	87.00						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	DEEPWATER CREEK	MISSOURI RIVER	KAW RIVER	MISSOURI RIVER	MISSOURI RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	575.00	61.00	137.00	68.00	91.00		
AVERAGE RATE OF DISCHARGE (CFS)	575.00	61.00	137.00	19.00	91.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]		.52	1.18	.58 49.00	.78		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG OEC	AUG OEC	JUL OEC	JUL DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	93.00 50.00	80.00 33.00	85.00 40.00	85.00 40.00	85.00 40.00		
AT OUTFALL, SUMMER - WINTER	108.00 75.00	80.00 60.00	100.00 55.00	100.00 55.00	100.00 55.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		50,000.00	12,500.00	40,000.00	40,000.00		
- WINTER		20,000.00	1,450.00	19,000.00	19,000.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C		C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.50	3.00					
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	438.24		21.00	150.00	10.50		
LIME (TONS), COOLING WATER - BOILER MAKEUP	2.50						
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	32.95		52.00				
OTHER (YES/ND), COOLING WATER - BOILER MAKEUP [17]	NO YES	NO YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	PS	PS	PS	PS		
RECEIVING WATER BODY [19]							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			10.50 5.00	10.50 5.00	10.50 5.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			400.00 2,000.00	400.00 2,000.00	400.00 2,000.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			133.00	40.00	65.00		
- ASH SETTLING			5,200.00	2,120.00	5,166.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		6 156.00	3 161.28	4 101.00	1 81.60		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)	3 563.10						
COOLING TOWER(S)							
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958 1964	1919 1940	1955 1962	1932 1952	1965		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.80		13.76 15.85	14.00	14.25		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	765.60		273.00	296.00	119.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		443.00	273.00	296.00	119.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		955.00	932.00	876.00	1,797.00		
COOLING PONDS ($1,000)	1,237.00						
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	16.00	1.00	66.00	48.00	33.00		
COST OF CHEMICAL ADDITIVES ($1,000)			8.00				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	108.00	17.00	15.00	15.00	15.00		
COST OF CHEMICAL ADDITIVES ($1,000)			3.30	9.30	2.36		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	KANSAS GAS & ELECTRIC CO.	KANSAS GAS & ELECTRIC CO.	KANSAS GAS & ELECTRIC CO.	KANSAS GAS & ELECTRIC CO.	KENTUCKY POWER & CC.
NAME OF PLANT	EVANS	GILL	NECSHO	RIPLEY	BIG SANDY
UTILITY-PLANT CODE	24250C-C1CC	242500-02CC	24250C-C3CC	2425CC-04CC	245CCC-C1CC
STATE	KANSAS	KANSAS	KANSAS	KANSAS	KENTUCKY
COUNTY	SEDGWICK	SEDGWICK	LABETTE	SEDGWICK	LAWRENCE
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	099 11	099 11	098 11	099 11	103 05
PLANT CAPACITY (MW)	539.30	348.30	113.50	87.20	1,CC2.60
ANNUAL GENERATION (MWH)[3]	3,313,7CC	1,936,200	250,7CC	192,CCC	2,635,9CC
PLANT HEAT RATE (BTU/KWH)[3]	9,833	10,622	12,148	13,914	9,C61

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			1.41			1,C93.7C
AVERAGE HEAT CONTENT (BTU/LB)			12,762			11,678
AVERAGE SULFUR CONTENT (%)			3.1C			.93
AVERAGE ASH CONTENT (%)			12.0C			11.53
AVERAGE MOISTURE CONTENT (%)			6.5C			7.7C
OIL: CONSUMPTION (1,000 BARRELS)	9.5C	13.6C	14.7C	7.5C		
AVERAGE HEAT CONTENT (BTU/GAL)	148,482	145,963	149,158	144,119		
AVERAGE SULFUR CONTENT (%)	.1C	.1C	.1C	.1C		
GAS: CONSUMPTION (1,000 MCF)	33,172.1C	19,991.4C	2,848.5C	2,565.7C		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	980	1,C25	1,C24	1,C23		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	4	7	5	2
- NO. OF WET BOTTOM					
- NO. WITH FLY ASH REINJECTION					
- NO. WITH MECHANICAL PRECIPITATORS					
- NO. WITH ELECTROSTATIC PRECIPITATORS					1
- NO. WITH COMBINATION PRECIPITATORS[4]					
- NO. WITH DESULFURIZATION SYSTEMS					
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.CC	8.CC 15.CC	10.CC 35.CC	10.CC 12.CC	2C.CC
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					
TESTED, LOW - HIGH					
ESTIMATED, LOW - HIGH					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH					98.5C
TESTED, LOW - HIGH					
EST., LOW - HIGH					75.CC
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
TESTED, LOW - HIGH					
ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,CCC TONS)			.11			79.8C
SULFUR DIOXIDE (1,CCC TONS)			.09			19.94
NITROGEN OXIDES (1,CCC TONS)	6.49	3.93	.6C	.52		9.84
STACKS: - TOTAL NO.	3	5	3	3		1
- HEIGHT (FEET), LOWEST - HIGHEST[8]	198.CC	144.CC 150.CC	155.CC 2C2.CC	150.CC		825.CC
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]			.3C			135.6C
SOLD (1,CCC TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,CCC TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,CCC TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,CCC)						
ELECTROSTATIC PRECIPITATORS ($1,000)						1,641.CC
COMBINATION PRECIPITATORS ($1,000)[14]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	8C.8C	123.CC	1C7.1C	98.8C		2,521.CC
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			.5C			32.CC
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			.5C			32.CC
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WELLS		WELLS		NEOSHO RIVER		WELLS		BIG SANDY RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	7.97		6.85		1.15		2.55		1,571.00	
AVERAGE RATE OF DISCHARGE (CFS)	1.69		1.91		.37		1.5C		249.CC	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.28		4.94		.78		1.05		1,321.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	AUG	DEC
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER									87.00	45.CC
AT OUTFALL, SUMMER - WINTER									87.00	45.CC
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						7,280.00				4,228.00
- WINTER						5C4.CC				4,228.CC
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]										
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	22.73	.45	26.6C	2.4C	4.99	.5C	15.98	.65		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.7C		.45		.25	.05		.4C		1C.5C
LIME (TONS), COOLING WATER - BOILER MAKEUP						14.CC				1C.CC
ALUM (TONS), COOLING WATER - BOILER MAKEUP										
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	15.CC		1C.CC		7.65		3.CC		25.CC	.45
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		ST		ST		ST		OT	
RECEIVING WATER BODY[19]									BIG SANDY RIVER	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING										
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING										
VOLUME (1,CCC CUFT/YR), BOILER BLOWDOWN										
- ASH SETTLING										

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)												
ONCE THROUGH COOLING (SALINE)												
COOLING POND(S)					2	4C.CC						
COOLING TOWER(S)	2	539.3C	4	348.2C	1	73.5C	3	87.2C	2	1,C96.8C		
COMBINATIONS[21]												
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1961	1967	1952	1959	1923	1954	1938	1949	1963	1969		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	22.24	25.32	14.5C	17.4C	11.CC	16.CC	12.4C	14.CC	21.6C	26.3C		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		469.2C		493.3C		25C.CC		216.4C		5C5.9C		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)												

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,CCC)							
COOLING PONDS ($1,CCC)				812.CC			
COOLING TOWERS ($1,CCC)	2,154.4C	2,544.5C	253.6C		664.4C		6,114.CC

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.7C	111.2C	21.2C	73.7C		5C.3C
COST OF CHEMICAL ADDITIVES ($1,CCC)	67.8C	39.CC	6.6C	1C.3C		11.5C

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,CCC)	18.7C	34.4C	1C.5C	1C.5C		5.8C
COST OF CHEMICAL ADDITIVES ($1,CCC)	1.1C	1.7C	1.2C	.3C		7.5C

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	KENTUCKY UTILITIES CO.	KENTUCKY UTILITIES CO.	KENTUCKY UTILITIES CO.	KENTUCKY UTILITIES CO.	LAKE WORTH LIGHT & WATER DEPT.	
NAME OF PLANT	BROWN	GREEN RIVER	RINEVILLE	TYRONE	LAKE WORTH	
UTILITY-PLANT CODE	2455OC-C2CC	2455OC-C3CC	2455CC-05CC	2455CC-06CC	2565CC-01CC	
STATE	KENTUCKY	KENTUCKY	KENTUCKY	KENTUCKY	FLORIDA	
COUNTY	MERCER	MUHLENBERG	BELL	WOODFORD	PALM BEACH	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	102 05	072 05	101 05	102 05	050 03	
PLANT CAPACITY (MW)	256.00	263.00	37.50	135.00	43.50	
ANNUAL GENERATION (MWH)[3]	1,154,700	1,267,400	89,100	170,000	141,800	
PLANT HEAT RATE (BTU/KWH)[3]	10,239	11,505	13,728	13,670	14,020	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	489.46	638.34	48.54	97.56		
AVERAGE HEAT CONTENT (BTU/LB)	12,078	11,421	12,475	11,696		
AVERAGE SULFUR CONTENT (%)	3.00	3.12	1.41	2.28		
AVERAGE ASH CONTENT (%)	13.40	10.24	12.63	13.13		
AVERAGE MOISTURE CONTENT (%)	4.40	10.18	3.98	6.69		
OIL: CONSUMPTION (1,000 BARRELS)	2.10		1.34		.31	
AVERAGE HEAT CONTENT (BTU/GAL)	132,000		132,000		146,100	
AVERAGE SULFUR CONTENT (%)	.12		.12		.10	
GAS: CONSUMPTION (1,000 MCF)					1,931.30	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,020	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	5	1	5	3	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	2	5	1	5	3	
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 25.00	25.00	25.00	25.00	10.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00	84.00	81.70	20.00 84.80	90.00	
TESTED, LOW - HIGH	80.00 84.00					
ESTIMATED, LOW - HIGH	80.00	80.00	81.70	81.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	11.15	11.11	.95	3.61		
SULFUR DIOXIDE (1,000 TONS)	28.78	39.04	1.34	4.36		
NITROGEN OXIDES (1,000 TONS)	4.41	5.75	.44	.88	.38	
STACKS: - TOTAL NO.	2	3	1	3	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	345.00	125.00 247.00	135.00	180.00	60.00 100.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	63.60	54.69	5.33	8.92		
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	140.70	229.25	19.96	53.00	45.00	
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	307.10	141.11	11.85	103.80	29.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	10.80	53.70	2.00	7.00		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	10.80	53.70	2.00	7.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	HERRINGTON LAKE	GREEN RIVER	CUMBERLAND RIVER	KENTUCKY RIVER	CITY WATER	
AVERAGE RATE OF WITHDRAWAL (CFS)		292.80		62.20		
AVERAGE RATE OF DISCHARGE (CFS)		292.70		62.20		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		2.52 .10		.53		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC		JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		87.00 52.00		85.00 47.00		
AT OUTFALL, SUMMER - WINTER		105.00 86.00		96.00 58.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		6,241.00				
- WINTER		4,653.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]		C	O	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	1.10	.03	.15	.04	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	49.77	72.00	5.10	.10	19.67	
LIME (TONS), COOLING WATER - BOILER MAKEUP	5.00	22.25 1.25		15.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	11.00	86.00 4.50	4.00	15.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.45	4.00			1.75	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES YES	YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	OT	OT	SW	PS	
[19] RECEIVING WATER BODY			CUMBERLAND RIVER	KENTUCKY RIVER		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		10.80 10.50	10.30 7.40	10.00 7.80	9.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		1.20 4.00		5.00	300.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		245.00	2.00	50.00	420.00	
- ASH SETTLING		130,000.00	3,161.60	2,300.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 263.00		3 135.00		
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS(S)						
COOLING TOWER(S)	2 256.00		1 37.50		3 41.50	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1957 1963	1949 1959	1951	1947 1953	1961 1967	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	20.00	16.00	12.00 18.00	14.50 17.20	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	329.10	406.90	7.91	256.10	89.40	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		406.99		256.10		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		2,580.69			
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)	1,273.00		116.72		520.00

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	104.70	20.00	1.00		2.00
COST OF CHEMICAL ADDITIVES ($1,000)		9.65	4.04		5.89

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	36.00	5.57		
COST OF CHEMICAL ADDITIVES ($1,000)	3.90	13.00	2.53	12.83	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	LAKELAND LIGHT & WATER DEPT.	LANSING BOARD OF W.E.L. COMM.	LANSING BOARD OF W.E.L. COMM.	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	
4	NAME OF PLANT	LAKE PARKER	ECKERT	OTTAWA	BARRETT	FAR ROCKAWAY	
5	UTILITY-PLANT CODE	25759C-C2CD	26050C-C1CC	26250C-C4CC	27302C-C10C	27300C-C3CC	
6	STATE	FLORIDA	MICHIGAN	MICHIGAN	NEW YORK	NEW YORK	
7	COUNTY	POLK	INGHAM	INGHAM	NASSAU	QUEENS	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	052 03	I25 04	I25 04	C43 02	C43 02	
9	PLANT CAPACITY (MW)	120.00	301.00	81.50	375.00	113.64	
10	ANNUAL GENERATION (MWH)[3]	550,400	1,244,000	212,300	1,868,300	579,500	
11	PLANT HEAT RATE (BTU/KWH)[3]	12,248	10,935	11,892	10,197	10,748	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)			564.81	I36.25	I07.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)			12,378	I2,342	12,693		13
14	AVERAGE SULFUR CONTENT (%)			2.50	2.04	2.09		14
15	AVERAGE ASH CONTENT (%)			12.00	11.77	9.39		15
16	AVERAGE MOISTURE CONTENT (%)			4.47	4.27	6.93		16
17	OIL: CONSUMPTION (1,000 BARRELS)	492.30				1,254.00	821.00	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	I50,000				I48,I50	I49,I58	18
19	AVERAGE SULFUR CONTENT (%)	1.65				1.62	I.64	19
20	GAS: CONSUMPTION (1,000 MCF)	3,666.00				8,254.00	I,044.00	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,028				1,035	1,035	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4		5	5	2	I	22
23	- NO. OF WET BOTTOM			5	5			23
24	- NO. WITH FLY ASH REINJECTION					1		24
25	- NO. WITH MECHANICAL PRECIPITATORS					1		25
26	- NO. WITH ELECTROSTATIC PRECIPITATOPS			5	5			26
27	- NO. WITH COMBINATION PRECIPITATORS[4]					1	1	27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 15.00		18.00	18.00	25.00	I2.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH			4		40.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			97.50	97.50	95.00		33
34	TESTED, LOW - HIGH		96.90	97.50		97.90		34
35	EST., LOW - HIGH			97.50	97.50		25.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.08		1.10	.26	.30	.10	39
40	SULFUR DIOXIDE (1,000 TONS)	2.77		27.67	5.52	II.20	4.52	40
41	NITROGEN OXIDES (1,000 TONS)	1.82		8.47	2.07	5.34	2.02	41
42	STACKS: - TOTAL NO.	4		5	1	2	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	165.00	334.00 359.00		293.00	250.00 350.00	265.50	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					.14		44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]			70.00	16.80		.10	45
46	SOLD (1,000 TONS)[11]			3.40	4.80	.03	.02	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	OVERALL COST: MECHANICAL PRECIPITATORS ($1,000)					808.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			605.40	361.80			51
52	COMBINATION PRECIPITATORS ($1,000)[4]					[illegible]	[illegible]	52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	113.00		396.10	174.30	465.00	125.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			104.40	34.00	413.00		55
56	REVENUES FROM SALE OF ASH ($1,000)			5.00	6.80	8.00	7.00	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			114.40	36.00	413.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			5.00	6.80	8.00	7.00	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE PARKER	GRAND RIVER		GRAND RIVER		HOG ISLAND CH.	MOTT BASIN	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	390.00	111.00		38.70		412.00	127.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	390.00	110.60		38.70		412.00	127.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.35	.40		.33		3.54	1.09	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG	DEC	AUG	DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.00 64.00	78.00	36.00	78.00	36.00			66
67	AT OUTFALL, SUMMER - WINTER	104.00 72.00	84.00	48.00	84.00	48.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	390.00		259.00		228.00			68
69	- WINTER	390.00		228.00		259.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C		C				70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.40		.32		.01	.80	.21	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.29		.17		.06	.20		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP								73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP								74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		18.00		36.00		48.00	24.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES		YES		YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS		PS		PS	PS	77
78	RECEIVING WATER BODY[19]								78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.70	11.00		11.00				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00	30.00		30.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	83.42		1,818.61		555.74			81
82	- ASH SETTLING								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 120.00			5 81.50		2 375.00	1 113.64		83
84	ONCE THROUGH COOLING (SALINE)									84
85	COOLING POND(S)									85
86	COOLING TOWER(S)									86
87	COMBINATIONS[21]		5	301.00						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1966	1954	1967	1938	1947	1956 1963	1952		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	6.00 8.20	16.30	23.00		14.30		20.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	406.00		368.10		I50.30	434.00	127.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	406.00		365.00		174.00	434.00	127.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	149.00	750.00		82.00	2,349.00	486.00	92
93	COOLING PONDS ($1,000)		1,100.00					93
94	COOLING TOWERS ($1,000)		960.00					94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	47.00	21.80		10.00	5.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		2.00		4.00	3.30		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00	5.50		30.00	10.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	1.80	.50		.30	.63		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	LOS ANGELES DEPT. OF WATER & POWER	LOS ANGELES DEPT. OF WATER & POWER	
NAME OF PLANT	GLENWOOD	NORTHPORT	PORT JEFFERSON	HARBOR	HAYNES	
UTILITY-PLANT CODE	2730C0-0400	2730C0-0600	2730C0-0700	2745C0-0700	2745C0-0800	
STATE	NEW YORK	NEW YORK	NEW YORK	CALIFORNIA	CALIFORNIA	
COUNTY	NASSAU	SUFFOLK	SUFFOLK	LOS ANGELES	LOS ANGELES	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	043 C1	043 C1	043 C1	024 18	024 18	
PLANT CAPACITY (MW)	377.20	774.18	467.00	388.90	1,676.00	
ANNUAL GENERATION (MWH) [3]	1,318,200	4,679,900	2,211,200	465,300	8,236,600	
PLANT HEAT RATE (BTU/KWH) [3]	11,928	9,601	10,426	13,229	9,402	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	2,074.00	7,116.00	3,637.00	224.90	2,346.80	
AVERAGE HEAT CONTENT (BTU/GAL)	149,739	150,633	150,927	150,558	150,768	
AVERAGE SULFUR CONTENT (%)	1.94	2.44	2.47	.34	.47	
GAS: CONSUMPTION (1,000 MCF)	2,595.00			4,061.40	56,583.10	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,034			1,071	1,078	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8	2	4	5	6	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION		2	2			
- NO. WITH MECHANICAL PRECIPITATORS	2	2				
- NO. WITH ELECTROSTATIC PRECIPITATORS	2					
- NO. WITH COMBINATION PRECIPITATORS [4]	4		4			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	12.00	6.00	25.00 26.00	6.87 10.00	7.00 10.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00				
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.34	.18	.61	.04	.40	
SULFUR DIOXIDE (1,000 TONS)	13.32	58.25	30.14	.26	3.73	
NITROGEN OXIDES (1,000 TONS)	5.02	15.69	8.02	1.29	16.45	
STACKS: - TOTAL NO.	8	2	3	5	8	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	246.50 265.00	600.00	300.00 425.00	247.00	240.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	.06	1.20	.40			
TOTAL ASH: COLLECTED (1,000 TONS) [10]	.08	.56	2.84		.05	
SOLD (1,000 TONS) [11]		.56	.14			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	265.00	2,322.00				
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]	1,322.00		2,007.00			
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	301.00	1,859.00	1,141.00	450.00	850.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1.60	115.00	35.00		2.50	
REVENUES FROM SALE OF ASH ($1,000)		194.00	53.00			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	1.60	115.00	35.00	105.60	1,125.50	
TOTAL BYPRODUCT SALES REVENUES ($1,000)		194.00	53.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LONG ISLAND SOUND	LONG ISLAND SOUND	PORT JEFF. HARBOR	PACIFIC OCEAN	PACIFIC OCEAN	
AVERAGE RATE OF WITHDRAWAL (CFS)	368.00	659.00	600.00	423.00	1,513.00	
AVERAGE RATE OF DISCHARGE (CFS)	368.00	659.00	600.00	423.00	1,513.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.16	5.67	5.16	3.64	13.01	
PEAK LOAD MONTH : SUMMER - WINTER [15]				AUG DEC	AUG JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER				63.00 60.00	70.00 60.00	
AT OUTFALL, SUMMER - WINTER				73.00 70.00	90.00 80.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER				423.00	8.85	
- WINTER				423.00	1,748.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]				C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	6.30	.50	.22	.20	.28	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	3.20	152.40	.21		.12	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			40.00	35.00	40.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	NO YES	YES	YES YES	NO YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	PS	ST	
RECEIVING WATER BODY [19]	HEMPSTEAD HARBOR		PORT JEFF. HARBOR		PACIFIC OCEAN	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			9.00			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			50.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			840.00			
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)						
ONCE THROUGH COOLING (SALINE)	4 377.20	2 750.00	4 460.00	5 388.90	6 1,606.00	
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1930 1954	1967 1968	1948 1960	1943 1949	1962 1967	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00 16.50	22.00	12.00	18.90 20.20	17.40 19.40	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	590.00	659.00	632.38	592.00	1,358.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	228.00	659.00	632.38	616.00	1,570.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,412.00	2,846.00	3,315.00	3,857.00	7,733.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	130.00	62.00	60.00	800.00	135.60	
COST OF CHEMICAL ADDITIVES ($1,000)			6.00	3.98	3.56	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	253.00	90.00	72.00	58.90	
COST OF CHEMICAL ADDITIVES ($1,000)	2.52		1.00	1.32	21.68	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	LOS ANGELES DEPT. OF WATER & POWER	LOS ANGELES DEPT. OF WATER & POWER	LOUISIANA POWER & LIGHT CO.	LOUISIANA POWER & LIGHT CO.	LOUISIANA POWER & LIGHT CO.	
NAME OF PLANT	SCATTERGOOD	VALLEY	LITTLE GYPSY	NINE MILE	STERLINGTON	
UTILITY-PLANT CODE	27450C-I20C	274500-I60C	275000-C10C	275000-0200	275000-C30C	
STATE	CALIFORNIA	CALIFORNIA	LOUISIANA	LOUISIANA	LOUISIANA	
COUNTY	LOS ANGELES	LOS ANGELES	SAINT CHARLES	JEFFERSON	OUACHITA	
AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	024 I8	024 I8	I06 C8	I06 C8	019 C8	
PLANT CAPACITY (MW)	326.40	545.60	1,250.78	351.34	351.53	
ANNUAL GENERATION (MWH) 3/	2,C68,500	2,036,800	7,539,200	I,487,400	I,596,800	
PLANT HEAT RATE (BTU/KWH) 3/	9,813	10,779	9,825	11,267	10,970	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	778.60	289.10				
AVERAGE HEAT CONTENT (BTU/GAL)	145,911	150,291				
AVERAGE SULFUR CONTENT (%)	.31	.45				
GAS: CONSUMPTION (1,000 MCF)	13,984.20	19,265.50	69,982.40	15,738.10	17,162.90	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,043	1,057	1,058	1,056	1,018	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	4	3	3	6	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	2	4				
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS 4/						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/						
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	15.00 27.50	15.00 27.50	8.00	9.00 15.00	8.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	92.00	84.00 90.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.01	.01				
SULFUR DIOXIDE (1,000 TONS)	.81	.46				
NITROGEN OXIDES (1,000 TONS)	4.40	4.39	13.65	3.07	3.35	
STACKS: - TOTAL NO.	1	4	5	6	4	
- HEIGHT (FEET), LOWEST - HIGHEST 8/	300.00	250.00	161.50 182.00	170.00	125.00 250.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/						
TOTAL ASH: COLLECTED (1,000 TONS) 10/	.01	.01				
SOLD (1,000 TONS) 11/						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	155.00	434.00				
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) 4/						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	384.00	612.00	561.00	114.00	121.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1.60	1.00				
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	366.60	146.00				
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	PACIFIC OCEAN	CITY WATER	MISSISSIPPI RIVER	MISSISSIPPI RIVER	OUACHITA RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	340.81		1,445.00	430.00	567.00	
AVERAGE RATE OF DISCHARGE (CFS)	340.81		1,445.00	430.00	567.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	2.93		12.43 .05	3.70	4.88	
PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG DEC		JUL OCT	JUL OCT	JUL OCT	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	72.00 62.00		86.00 79.00	86.00 75.00	94.00 82.00	
AT OUTFALL, SUMMER - WINTER	86.00 77.00		108.00 99.00	105.00 98.00	112.00 101.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	355.50		508,000.00	508,000.00	3,406.00	
- WINTER	340.81		263,000.00	263,000.00	1,750.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C 15/	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.21	12.80 .42	1.00	2.05	.25	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.18	19.60				
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	34.00	21.11			1.40	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	NO YES	YES YES	NO YES	NO YES	NO YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	PS	ST	ST	ST	
RECEIVING WATER BODY 19/				MISSISSIPPI RIVER		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)			3 1,250.78	3 351.34	4 351.53	
ONCE THROUGH COOLING (SALINE)	2 326.40					
COOLING POND(S)						
COOLING TOWER(S)		4 545.60				
COMBINATIONS 21/						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958 1959	1954 1956	1961 1969	1951 1955	1928 1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	17.80	13.25 20.70	19.00 25.00	16.90 20.60	13.00 17.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	348.00	626.00	1,445.00	426.00	544.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	348.00		1,445.00	430.00	566.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	7,139.00		4,989.00	2,256.00	1,176.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)		7,124.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	35.10	94.00				
COST OF CHEMICAL ADDITIVES ($1,000)	3.30	21.00			.70	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	13.00	74.00				
COST OF CHEMICAL ADDITIVES ($1,000)	1.80	6.00	11.60	.60	.20	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	LOUISVILLE GAS & ELECTRIC CO.	LOUISVILLE GAS & ELECTRIC CO.	LOUISVILLE GAS & ELECTRIC CO.	LOWER COLORADO RIVER AUTH.	LOWER COLORADO RIVER AUTH.		1
2		2							2
3		3							3
4	NAME OF PLANT	4	CANAL	CANE RUN	PADDYS RUN	COMAL	GIDEON		4
5	UTILITY-PLANT CODE	5	275500-0100	275500-0200	275500-0400	277000-0300	277000-0800		5
6	STATE	6	KENTUCKY	KENTUCKY	KENTUCKY	TEXAS	TEXAS		6
7	COUNTY	7	JEFFERSON	JEFFERSON	JEFFERSON	COMAL	BASTROP		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	078 05	078 05	078 05	217 12	212 12		8
9	PLANT CAPACITY (MW)	9	50.00	1,017.00	337.50	60.00	250.00		9
10	ANNUAL GENERATION (MWH) [3]	10	1,400	4,822,100	618,900	337,200	1,437,700		10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	14,881	10,183	13,243	15,572	9,963		11
	AIR QUALITY CONTROL DATA								
	FUEL CONSUMPTION DATA (ANNUAL)								
12	COAL: CONSUMPTION (1,000 TONS)	12		1,977.70	282.20				12
13	AVERAGE HEAT CONTENT (BTU/LB)	13		11,362	11,512				13
14	AVERAGE SULFUR CONTENT (%)	14		3.21	3.83				14
15	AVERAGE ASH CONTENT (%)	15		12.08	12.48				15
16	AVERAGE MOISTURE CONTENT (%)	16		8.79	7.65				16
17	OIL: CONSUMPTION (1,000 BARRELS)	17				15.00	.35		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18				145,216	140,510		18
19	AVERAGE SULFUR CONTENT (%)	19			.10	2.00	.10		19
20	GAS: CONSUMPTION (1,000 MCF)	20	21.60	4,789.20	2,150.80	5,526.00	13,103.00		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,035	1,035	1,035	1,047	1,026		21
	PLANT EQUIPMENT DATA								
22	BOILERS: - TOTAL NO.	22	2	6	6	4	2		22
23	- NO. OF WET BOTTOM	23							23
24	- NO. WITH FLY ASH REINJECTION	24							24
25	- NO. WITH MECHANICAL PRECIPITATORS	25							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	2	6	6				26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27							27
28	- NO. WITH DESULFURIZATION SYSTEMS	28							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	25.00	21.00 25.00	25.00	18.00	8.00 10.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30							30
31	TESTED, LOW - HIGH	31							31
32	ESTIMATED, LOW - HIGH	32							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33	90.00 96.00	97.50 99.40	96.00 97.50				33
34	TESTED, LOW - HIGH	34		97.50 99.50	98.10 99.50				34
35	EST., LOW - HIGH	35	90.00 96.00	98.00 99.50	96.50 98.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36							36
37	TESTED, LOW - HIGH	37							37
38	ESTIMATED, LOW - HIGH	38							38
	PLANT OPERATING DATA AND COST OF EQUIPMENT								
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39		2.42	.71				39
40	SULFUR DIOXIDE (1,000 TONS)	40		124.39	21.21	.10			40
41	NITROGEN OXIDES (1,000 TONS)	41		18.73	2.96	1.11	2.56		41
42	STACKS: - TOTAL NO.	42	1	6	5	2	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	211.70	257.00 518.00	235.00	186.00	154.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44							44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45		236.30	31.90				45
46	SOLD (1,000 TONS) [11]	46		14.60	9.10				46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	122.00	3,003.00	990.00				51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52							52
53	DESULFURIZATION SYSTEMS ($1,000)	53							53
54	STACKS ($1,000)	54	29.00	1,213.00	203.00	13.00	17.20		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55		267.30	112.20				55
56	REVENUES FROM SALE OF ASH ($1,000)	56		18.30	11.30				56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	.20	267.30	112.20				59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60		18.30	11.30				60
	WATER QUALITY CONTROL DATA								
61	COOLING WATER: SOURCE	61	OHIO RIVER	OHIO RIVER	OHIO RIVER	COMAL RIVER	COLORADO RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	1.01	890.80	141.80	189.00	3.25		62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	1.01	890.80	141.80	189.00			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	.01	7.66	1.22	.01	3.25		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	JUL	JUL JAN	JUL JAN	JUN JAN	AUG JAN		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	87.00	89.00 39.00	83.00 35.00	80.00 76.50	89.00 53.00		66
67	AT OUTFALL, SUMMER - WINTER	67	95.00	102.00 63.00	93.00 48.00	88.65 85.15	99.00 64.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		66,500.00	66,500.00	282.00	223.00		68
69	- WINTER	69		137,500.00	137,500.00	282.00	278.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	70	C	C	C	O			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		2.87	4.35	.16	.08		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		.45	.36	.45			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73					1.12		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74					.18		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	1.25	315.00	41.50	.02	12.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	77	PS		OT	RS	OT		77
78	[19] RECEIVING WATER BODY	78			OHIO RIVER		LAKE BASTROP		78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	79	9.00	10.00 11.00	10.50 9.30	11.00			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	10.00	10.00 102.00	10.00 87.30	1.50			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	2.00	110.00	226.00	170.60			81
82	- ASH SETTLING	82		355,000.00	65,662.00				82
	COOLING FACILITY DATA								
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83	2 50.00	6 1,016.69	6 337.50				83
84	ONCE THROUGH COOLING (SALINE)	84							84
85	COOLING POND(S)	85					2 250.00		85
86	COOLING TOWER(S)	86							86
87	COMBINATIONS [21]	87				2 60.00			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1937 1941	1954 1969	1942 1952	1956	1964		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	10.00 12.00	13.00 16.00	10.00	15.00	9.97 11.65		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	214.50	1,253.70	632.80	200.00	499.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	214.50	1,253.70	632.80	200.00			91
	CAPITAL COSTS OF COOLING FACILITIES								
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	155.00	8,094.00	3,260.00				92
93	COOLING PONDS ($1,000)	93				225.00	3,650.00		93
94	COOLING TOWERS ($1,000)	94				328.20			94
	ANNUAL COOLING WATER EXPENSES								
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	4.60	58.70	70.00		30.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	.10	37.50	7.00	2.60	1.20		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES								
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	4.90	128.30	51.00		3.60		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	.02	47.00	9.00	.20	4.50		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	LUBBOCK, CITY OF	LUBBOCK, CITY OF	MADISON GAS & ELECTRIC CO.	MASSACHUSETTS ELECTRIC CO.	MASSACHUSETTS ELECTRIC CO.		
NAME OF PLANT	HOLLY AVE	PLANT 2	BLOUNT	LYNNWAY	WEBSTER		
UTILITY-PLANT CODE	2780CC-C1CC	2780CC-C3CC	28350C-C1CC	2960CC-0100	2960CC-02CC		
STATE	TEXAS	TEXAS	WISCONSIN	MASSACHUSETTS	MASSACHUSETTS		
COUNTY	LUBBOCK	LUBBOCK	DANE	ESSEX	WORCESTER		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	211 12	211 12	240 07	119 01	118 01		
PLANT CAPACITY (MW)	50.00	80.50	165.50	49.00	34.50		
ANNUAL GENERATION (MWH) [3]	210,200	218,000	836,700	226,910	132,944		
PLANT HEAT RATE (BTU/KWH) [3]	12,283	15,415	12,079	15,670	12,848		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			118.80		62.60		
AVERAGE HEAT CONTENT (BTU/LB)			12,051		13,075		
AVERAGE SULFUR CONTENT (%)			3.30		1.56		
AVERAGE ASH CONTENT (%)			7.37		9.87		
AVERAGE MOISTURE CONTENT (%)			9.33		4.47		
OIL: CONSUMPTION (1,000 BARRELS)			2.10	576.00	11.90		
AVERAGE HEAT CONTENT (BTU/GAL)			137,900	148,833	138,000		
AVERAGE SULFUR CONTENT (%)			.28	1.92	.10		
GAS: CONSUMPTION (1,000 MCF)	2,505.88	3,311.36	7,179.90				
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,053	1,043	1,018				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	5	9	4	1		
- NO. OF WET BOTTOM			2				
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS			5		1		
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	10.00	7.00 15.00	10.00 25.00	12.00 25.00	22.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00		88.30		
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH			85.00		88.30		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)			1.03	.10	.61		
SULFUR DIOXIDE (1,000 TONS)			7.67	3.71	1.92		
NITROGEN OXIDES (1,000 TONS)	.40	.65	2.57	1.27	.59		
STACKS: - TOTAL NO.	1	5	6	2	1		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	94.50	45.00 56.00	90.00 250.00	174.00	175.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]			7.40	.10	5.60		
SOLD (1,000 TONS) [11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			381.00		40.00		
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)			277.00	18.38	34.00		
STACKS ($1,000)			36.00	.15	26.90		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]			36.00		36.90		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CITY WATER	CITY WATER	LAKE MONONA	LYNN HARBOR	CURTIS POND		
AVERAGE RATE OF WITHDRAWAL (CFS)	.98	.56	138.00	99.43	60.00		
AVERAGE RATE OF DISCHARGE (CFS)	.24	.14	137.00	99.43	60.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.74	.42	1.19 1.00	.86			
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL OCT	JUL OCT	JUL JAN	JUL JAN	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 76.00	87.00 74.00	74.00 39.30	70.00 39.00	85.00 47.00		
AT OUTFALL, SUMMER - WINTER	92.00 82.00	101.00 88.00	93.00 60.00	86.00 48.00	90.00 56.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1.15	.72	163.00	99.89	20.00		
- WINTER	.82	.40	176.00	110.18	50.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	H	C				
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.15 .09	10.55 .06	1.20	.23	.46		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.24	.23	.26	.13	.37		
LIME (TONS), COOLING WATER - BOILER MAKEUP			15.13				
ALUM (TONS), COOLING WATER - BOILER MAKEUP			2.23				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.80	2.44		102.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES	NO YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	SW	PS		PS	PS		
[19] RECEIVING WATER BODY	PRIVATE IRR. RES.						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			11.00				
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			1.00				
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			1,480.00				
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)			7 195.50				
ONCE THROUGH COOLING (SALINE)				4 47.50			
COOLING POND(S)							
COOLING TOWER(S)	1 50.00	5 80.50			1 33.00		
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965	1949 1958	1922 1961		1950		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00	15.00	13.70 25.00	16.00			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	78.66	190.23	279.20	159.00	55.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			243.00		60.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			1,711.00		281.50		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)		275.14			338.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			12.00	.85	25.00		
COST OF CHEMICAL ADDITIVES ($1,000)	8.70	21.00		13.40	.50		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		3.00	34.00	1.60	15.00		
COST OF CHEMICAL ADDITIVES ($1,000)	1.40		5.00	.58	.45		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	METRO EDISON CO.	METRO EDISON CO.	METRO EDISON CO.	METRO EDISON CO.	MINNESOTA POWER & LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	CRAWFORD	EYLER	PORTLAND	TITUS	AURORA	4
5	UTILITY-PLANT CODE	303590-C1PC	303590-0200	303507-0300	3C3500-D4D0	307000-0100	5
6	STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	MINNESOTA	6
7	COUNTY	DAUPHIN	BERKS	NORTHAMPTON	BERKS	ST. LOUIS	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	196 C2	151 02	151 02	151 02	129 C9	8
9	PLANT CAPACITY (MW)	117.00	84.00	426.70	225.00	116.10	9
10	ANNUAL GENERATION (MWH)[3]	315,300	236,000	2,737,100	1,708,600	706,700	10
11	PLANT HEAT RATE (BTU/KWH)[3]	16,292	18,446	9,501	10,294	11,971	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	199.00	172.00	1,055.00	688.00	335.80	12
13	AVERAGE HEAT CONTENT (BTU/LB)	12,712	12,469	12,238	12,722	12,590	13
14	AVERAGE SULFUR CONTENT (%)	2.01	2.38	2.42	2.10	2.60	14
15	AVERAGE ASH CONTENT (%)	13.16	13.19	12.65	11.84	9.75	15
16	AVERAGE MOISTURE CONTENT (%)	3.71	4.69	5.56	5.01	7.37	16
17	OIL: CONSUMPTION (1,000 BARRELS)	12.20	9.30	30.70	16.40		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,821	137,704	138,531	137,832		18
19	AVERAGE SULFUR CONTENT (%)	.33	.31	.30	.28		19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	8	8	2	3	2	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS					2	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	2		3		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]			2			27
28	- NO. WITH DESULFURIZATION SYSTEMS			1			28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 26.00	15.00 20.00	22.00	23.00	22.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					85.00	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH					85.00	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	84.00	90.00	99.00	99.00		33
34	TESTED, LOW - HIGH	87.30 91.20	76.80 78.40	99.00	96.70		34
35	EST., LOW - HIGH			99.00	96.70		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			90.00			36
37	TESTED, LOW - HIGH			90.00			37
38	ESTIMATED, LOW - HIGH			90.00			38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	7.32	6.62	1.13	2.29	4.17	39
40	SULFUR DIOXIDE (1,000 TONS)	7.85	8.03	50.07	28.33	17.11	40
41	NITROGEN OXIDES (1,000 TONS)	1.72	1.51	9.56	6.23	3.02	41
42	STACKS: - TOTAL NO.	3	2	2	3	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00	242.00	400.00	200.00	139.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	18.00	28.90	132.00	80.10	28.60	45
46	SOLD (1,000 TONS)[11]		12.80	41.40	55.50		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]			0.12			48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)					51.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	120.00	100.00		843.00		52
53	DESULFURIZATION SYSTEMS ($1,000)			1,355.00			53
54	STACKS ($1,000)						54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	64.00	62.00	480.00	226.00	43.00	55
56	REVENUES FROM SALE OF ASH ($1,000)					17.80	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)				12.30		57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					17.80	60
					12.30		

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	SUSQUEHANNA RIVER	SCHUYLKILL RIVER	DELAWARE RIVER	SCHUYLKILL RIVER	COLBY LAKE	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	182.00	84.00	357.00	232.20	210.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	182.00	84.00	357.00	232.20	210.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.57 .72		3.07	2.00 .10	1.81	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	SEP JAN	AUG JAN	AUG JAN	APR FEB	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	89.00 45.00	73.00 37.00	72.00 38.00	80.00 48.00	53.00 47.00	66
67	AT OUTFALL, SUMMER - WINTER	106.00 76.00	91.00 58.00	88.00 79.00	103.00 73.00	58.00 57.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	34,420.00	178.00	8,119.00	1,490.00	300.00	68
69	- WINTER	34,420.00	150.00	8,119.00	1,490.00	42.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]	C	C	C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.49	.14		.55	.91	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.64		65.37		.59	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	7.74	3.62	7.42	54.00 .49	8.19	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	22.75 1.25	2.60	23.25 14.60	52.00	4.62	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	OT	OT	ST	77
78	RECEIVING WATER BODY	FRENCH DRAIN	SCHUYLKILL RIVER	DELAWARE RIVER	SCHUYLKILL RIVER	COLBY LAKE	78
79	POND DISCHARGE[19]: PH, BOILER BLOWDOWN - ASH SETTLING	7.00		7.00 7.00	5.90	10.10 7.20	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					.19 .40	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					58.30	81
82	- ASH SETTLING			173,000.00	105,000.00	29,200.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 122.00	3 84.00	2 426.50	3 225.00	2 116.10	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)						86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1947	1919 1923	1958 1962	1951 1953	1953	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00 18.00	15.00 19.00	15.00 19.00	20.00	14.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	362.00	145.00	468.00	246.60	186.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	364.00	145.00	486.00	246.60	210.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	776.00	328.00	3,447.00	1,146.00	428.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)					25.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)					.70	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)					9.40	97
98	COST OF CHEMICAL ADDITIVES ($1,000)					5.10	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	MINNESOTA POWER & LIGHT CO.	MINNESOTA POWER & LIGHT CO.	MISSISSIPPI POWER CO.	MISSISSIPPI POWER CO.	MISSISSIPPI POWER CO.	
NAME OF PLANT	BOSWELL	HIBBARD	EATON	STANDARD OIL	SWEATT	
UTILITY-PLANT CODE	30700-C300	30700-0700	30800-C100	30800-0200	30800-C300	
STATE	MINNESOTA	MINNESOTA	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	
COUNTY	ITASCA	ST. LOUIS	FORREST	JACKSON	LAUDERDALE	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	129 C7	129 04	005 03	005 03	005 03	
PLANT CAPACITY (MW)	150.00	122.50	77.63	33.15	95.00	
ANNUAL GENERATION (MWH) [3]	941,700	461,100	337,300	241,259	534,500	
PLANT HEAT RATE (BTU/KWH) [3]	10,472	14,202	13,967	15,310	12,820	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	485.62	203.30				
AVERAGE HEAT CONTENT (BTU/LB)	10,187	12,632				
AVERAGE SULFUR CONTENT (%)	1.49	1.82				
AVERAGE ASH CONTENT (%)	8.34	8.54				
AVERAGE MOISTURE CONTENT (%)	19.64	6.38				
OIL: CONSUMPTION (1,000 BARRELS)			135.40		1.60	
AVERAGE HEAT CONTENT (BTU/GAL)			142,848		142,857	
AVERAGE SULFUR CONTENT (%)			4.50		4.30	
GAS: CONSUMPTION (1,000 MCF)		1,390.80	3,853.40	3,496.50	6,611.10	
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,004	1,012	1,056	1,035	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	4	3	2	2	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	2	4				
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	26.60 26.80	10.00		17.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.50	30.20 85.80				
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	85.50	30.20 85.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	4.99	4.28	.62			
SULFUR DIOXIDE (1,000 TONS)	14.18	7.25	2.04		.02	
NITROGEN OXIDES (1,000 TONS)	4.37	2.10	1.25	.68	1.29	
STACKS: - TOTAL NO.	1	3	2	2	1	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	250.00	218.00 345.00	125.00	38.77	175.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	34.00	11.70				
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	84.00	111.00				
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	133.00	95.00	39.00		49.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	11.30	12.00				
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	11.30	12.00				
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MISSISSIPPI RIVER	ST. LOUIS RIVER	LEAF RIVER		DEEP WELLS	
AVERAGE RATE OF WITHDRAWAL (CFS)	164.60	364.00	178.00			
AVERAGE RATE OF DISCHARGE (CFS)	164.60	364.00	178.00			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.42	3.13	1.53			
PEAK LOAD MONTH : SUMMER - WINTER [15]	APR FEB	APR FEB	JUL FEB	JUL FEB	JUL FEB	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	53.00 32.60	53.00 33.00	92.00 59.00			
AT OUTFALL, SUMMER - WINTER	69.00 62.00	65.00 50.00	110.00 69.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2,806.00	4,450.00	814.00			
- WINTER	1,912.00	800.00	2,540.00			
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.35	.83	.10	1.75	.18	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	19.05	.06	.35		.70	
LIME (TONS), COOLING WATER - BOILER MAKEUP					5.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	8.00 .10	4.80	10.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	NO YES	YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	OT	ST	ST	ST	
RECEIVING WATER BODY [19]	MISSISSIPPI RIVER	ST. LOUIS RIVER				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.50 8.70	10.50 8.70				
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	.40 5.50	4.50 5.50				
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	10.00	1,140.00				
- ASH SETTLING		56,800.00				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 150.00	4 124.50	3 77.64			
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)					2 95.00	
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958 1959	1931 1951	1945 1949		1951 1953	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	13.50	15.00 26.00	13.80		15.70	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	234.00	356.40	171.00		145.60	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	240.00	364.00	177.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,200.00	408.00	248.00			
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)					739.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.00	40.00				
COST OF CHEMICAL ADDITIVES ($1,000)	3.60	7.20				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.00	18.00				
COST OF CHEMICAL ADDITIVES ($1,000)	4.50	.20				

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	
NAME OF PLANT	WATSON	WILSON	DELTA	NATCHEZ	BROWN	
UTILITY-PLANT CODE	3C8C00-04C0	3C850C-0100	308500-F3C0	3C850C-0400	3C850C-05C0	
STATE	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	
COUNTY	HARRISON	WARREN	BOLIVAR	ADAMS	HINDS	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	005 03	005 08	134 08	005 08	005 08	
PLANT CAPACITY (MW)	595.50	544.60	220.50	66.00	383.20	
ANNUAL GENERATION (MWH)[3]	3,249,300	2,638,500	638,600	275,400	1,622,500	
PLANT HEAT RATE (BTU/KWH)[3]	10,246	9,659	11,309	12,988	11,853	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	548.10					
AVERAGE HEAT CONTENT (BTU/LB)	12,400					
AVERAGE SULFUR CONTENT (%)	2.85					
AVERAGE ASH CONTENT (%)	10.10					
AVERAGE MOISTURE CONTENT (%)	7.07					
OIL: CONSUMPTION (1,000 BARRELS)	6.40	31.90	61.36	4.50	22.46	
AVERAGE HEAT CONTENT (BTU/GAL)	140,613	140,000	156,000	155,095	155,952	
AVERAGE SULFUR CONTENT (%)	.10	.20	2.75	2.20	2.75	
GAS: CONSUMPTION (1,000 MCF)	18,375.90	24,054.86	6,699.14	3,623.65	18,394.99	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,071	1,051	989	979	1,037	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	1	2	1	4	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	1					
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	11.00 20.00	8.00	1.50	17.00	8.00 17.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00					
TESTED, LOW - HIGH	97.30					
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.27	.01	.01			
SULFUR DIOXIDE (1,000 TONS)	30.63	.02	.57	.03	.21	
NITROGEN OXIDES (1,000 TONS)	8.60	4.76	1.44	.72	3.64	
STACKS: - TOTAL NO.	4	1	4	2	4	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	169.00 350.00	236.00	130.00	141.00	150.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	54.80					
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	393.50					
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	269.60		60.00	33.00	92.29	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	BILOXI BAY ESTUAR	MISSISSIPPI RIVER	POND	WELLS	PEARL RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	752.00	485.00	3.05	1.30	3.00	
AVERAGE RATE OF DISCHARGE (CFS)	752.00	485.00				
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.47	4.17	3.05	1.30	3.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL FEB	AUG DEC	JUL FEB			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.00 57.00	85.00 49.00	95.00 56.00			
AT OUTFALL, SUMMER - WINTER	110.00 73.00	110.00 75.00	110.00 75.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	295.00	460,000.00				
- WINTER	1,240.00	360,000.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	O		C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.18			1.79 .11	.56	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.10	99.00	2.66		38.64	
LIME (TONS), COOLING WATER - BOILER MAKEUP				315.50		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				7.45		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		2.43	4.00	.63	1.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES	NO YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	OT	ST	ST	PS	
[19] RECEIVING WATER BODY		MISSISSIPPI RIVER		ST. CATHERINE CR.		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.00					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	51,600.00					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		1 544.60				
ONCE THROUGH COOLING (SALINE)	4 595.50					
COOLING POND(S)					2 304.70	
COOLING TOWER(S)				1 66.00	2 78.50	
COMBINATIONS[21]			2 220.50			
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1957 1968	1966	1953	1951	1949 1959	
DESIGN* TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.70 19.95	28.00	12.00	14.00	15.60 18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	683.00	374.00	308.00	109.20	508.90	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	752.00	374.00	308.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,090.70	2,800.00	380.00			
COOLING PONDS ($1,000)			595.50		2,432.00	
COOLING TOWERS ($1,000)			17.18	250.00	485.60	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		67.60	10.00	20.00	70.20	
COST OF CHEMICAL ADDITIVES ($1,000)		.50	.70	17.40	.20	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		8.20	2.50	1.00	2.40	
COST OF CHEMICAL ADDITIVES ($1,000)		14.10	5.30	.40	5.20	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	MISSOURI PUBLIC SERVICE CO.		MISSOURI PUBLIC SERVICE CO.		MONONGAHELA (ALLEGHENY) POWER CO.		MONONGAHELA (ALLEGHENY) POWER CO.		MONONGAHELA (ALLEGHENY) POWER CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	GREEN		SIBLEY		ALBRIGHT		FT. MARTIN		RIVESVILLE		4
5	UTILITY-PLANT CODE	5	309500-C4C0		309500-C7C0		3110C0-C1C0		3110CC-C2C0		3110CO-C3CC		5
6	STATE	6	MISSOURI		MISSOURI		WEST VIRGINIA		WEST VIRGINIA		WEST VIRGINIA		6
7	COUNTY	7	CASS		JACKSON		PRESTON		MONONGALIA		MARION		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	094 10		094 10		235 05		235 05		235 05		8
9	PLANT CAPACITY (MW)	9	49.50		518.50		278.25		1,152.00		174.75		9
10	ANNUAL GENERATION (MWH) [3]	10	134,000		862,900		2,126,100		7,902,500		1,046,100		10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	13,567		11,583		11,386		9,179		13,302		11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12			491.00		1,062.00		2,876.00		544.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)	13			12,152		11,449		12,457		12,460		13
14	AVERAGE SULFUR CONTENT (%)	14			3.53		2.33		3.45		3.54		14
15	AVERAGE ASH CONTENT (%)	15			11.72		17.62		12.70		13.64		15
16	AVERAGE MOISTURE CONTENT (%)	16			6.61		5.73		4.26		3.29		16
17	OIL: CONSUMPTION (1,000 BARRELS)	17					2.28		13.50				17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18					139,000		139,000				18
19	AVERAGE SULFUR CONTENT (%)	19					.25		.25				19
20	GAS: CONSUMPTION (1,000 MCF)	20	1,788.00								702.00		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,018								522		21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22	2		3		3		2		4		22
23	- NO. OF WET BOTTOM	23			3						2		23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	2		2		2						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26			1				2				26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27					1						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	17.00		15.00		20.00		20.00	25.00	45.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	85.00		85.00		83.60						30
31	TESTED, LOW - HIGH	31				83.00	84.00			70.00	86.00		31
32	ESTIMATED, LOW - HIGH	32			85.00		83.00			75.00	80.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33					97.50		99.00				33
34	TESTED, LOW - HIGH	34					78.00		99.30				34
35	EST., LOW - HIGH	35					85.00		99.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39			3.55		25.44		3.15		13.20		39
40	SULFUR DIOXIDE (1,000 TONS)	40			33.90		48.18		197.39		37.61		40
41	NITROGEN OXIDES (1,000 TONS)	41	.35		13.48		9.50		26.30		5.84		41
42	STACKS: - TOTAL NO.	42	2		3		3		2		6		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	150.00	183.00	700.00	128.00	225.00		550.00	152.00	190.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45					154.90		355.10		63.94		45
46	SOLD (1,000 TONS) [11]	46					.50						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50	75.00				424.00				465.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51							4,121.00				51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52					673.00						52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	40.00		1,184.00		202.00		1,531.00		26.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55					137.40		145.00		82.60		55
56	REVENUES FROM SALE OF ASH ($1,000)	56					.30						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59					137.40		145.00		82.60		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60					.30						60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	BIG CREEK		MISSOURI RIVER		CHEAT RIVER		MONONGAHELA RIVER		MONONGAHELA RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	2.00		133.00		420.00		40.00		375.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	63			133.00		419.50		22.00		374.90		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	2.00		1.14		3.61	.50	18.00	3.23	.10		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66					79.00	38.00			78.00	38.00	66
67	AT OUTFALL, SUMMER - WINTER	67					101.00	60.00			94.00	54.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68						898.00	3,350.00		2,380.00		68
69	- WINTER	69						3,460.00	6,429.00		6,210.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [15]	70			C		H		C		H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	1.46	.60		1.50		.15				1.15	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.08			.15		34.00	325.00	233.74		.95	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74						3.90		7.67		3.30	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	1.17					.60	29.07	2.00	.23		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	NO	NO		YES		YES		YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	ST		ST		ST		ST/OT		PS		77
78	RECEIVING WATER BODY [19]	78					CHEAT RIVER		MONONGAHELA RIVER				78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79							6.30		6.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80							93.00		69.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81											81
82	- ASH SETTLING	82			7,250.00				77,300.00		115,949.99		82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83			3	518.50	3	278.25			6	174.75	83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86	2	49.50					2	1,102.00			86
87	COMBINATIONS [21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1954	1958	1960	1969	1952	1954	1967	1968	1919	1951	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89		18.00	17.50	19.20		22.00		24.00	12.00	23.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		80.00		526.00		341.90		1,114.00		366.70	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91				526.00		346.00		1,120.00		367.00	91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92						965.00				475.00	92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94		452.00				710.00		9,724.00			94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95				45.90		51.00		232.00		41.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96								19.00		1.00	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97						10.00		57.00		18.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98				2.60		9.00		54.00		12.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	MONONGAHELA (ALLEGHENY) POWER CO.	MONROE, CITY OF	MONTANA-DAKOTA UTIL. CO.	MONTANA-DAKOTA UTIL. CO.	MONTAUR ELECTRIC CO.	
NAME OF PLANT	WILLOW ISLAND	MONPOE	HESKETT	LEWIS & CLARK	SOMERSET	
UTILITY-PLANT CODE	311000-0400	312000-0100	313000-0500	313000-0900	314000-0100	
STATE	WEST VIRGINIA	LOUISIANA	NORTH DAKOTA	MONTANA	MASSACHUSETTS	
COUNTY	PLEASANTS	OUACHITA	MORTON	RICHLAND	BRISTOL	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	179 05	019 08	172 10	143 10	120 01	
PLANT CAPACITY (MW)	215.00	166.00	100.00	90.00	325.00	
ANNUAL GENERATION (MWH) [3]	1,563,200	288,298	497,700	313,100	1,866,200	
PLANT HEAT RATE (BTU/KWH) [3]	10,712	14,517	13,069	12,841	11,311	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	771.00		462.70	305.30		
AVERAGE HEAT CONTENT (BTU/LB)	10,845		6,965	6,556		
AVERAGE SULFUR CONTENT (%)	4.20		.69	.56		
AVERAGE ASH CONTENT (%)	18.22		6.35	7.23		
AVERAGE MOISTURE CONTENT (%)	6.29		36.21	38.11		
OIL: CONSUMPTION (1,000 BARRELS)	2.17				3,376.50	
AVERAGE HEAT CONTENT (BTU/GAL)	139,000				148,801	
AVERAGE SULFUR CONTENT (%)	.25				2.07	
GAS: CONSUMPTION (1,000 MCF)		4,896.63		15.46		
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000		1,000		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	7	2	1	8	
- NO. OF WET BOTTOM	1				1	
- NO. WITH FLY ASH REINJECTION	1		2			
- NO. WITH MECHANICAL PRECIPITATORS	1		2	1	2	
- NO. WITH ELECTROSTATIC PRECIPITATORS	1					
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	4.50 8.00	25.00 30.00	25.00	15.00 20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00		88.00 90.00	85.70	87.50 88.50	
TESTED, LOW - HIGH	64.00					
ESTIMATED, LOW - HIGH	80.00		88.00 90.00	85.70	85.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	90.00					
TESTED, LOW - HIGH	84.00					
EST., LOW - HIGH	80.00					
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	8.11		5.11	2.68	.28	
SULFUR DIOXIDE (1,000 TONS)	63.47		6.26	3.35	23.45	
NITROGEN OXIDES (1,000 TONS)	17.75	.95	3.47	2.75	7.45	
STACKS: - TOTAL NO.	2	7	2	1	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	138.00 216.00	65.00 80.00	125.00	200.00	282.00 332.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]					.44	
TOTAL ASH: COLLECTED (1,000 TONS) [10]	90.60		27.10	19.30	1.80	
SOLD (1,000 TONS) [11]				.70		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	120.00		95.60	49.00	143.80	
ELECTROSTATIC PRECIPITATORS ($1,000)	407.00					
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	156.00		92.90	43.20	174.30	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	63.10		27.80	19.60	8.90	
REVENUES FROM SALE OF ASH ($1,000)				.70		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	63.10		28.80	20.60	83.40	
TOTAL BYPRODUCT SALES REVENUES ($1,000)				.70		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	OHIO RIVER	OUACHITA RIVER	MISSOURI RIVER	YELLOWSTONE RIVER	TAUNTON RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	225.00	163.00	55.90	40.00	553.00	
AVERAGE RATE OF DISCHARGE (CFS)	224.97	163.00	55.78	39.90	553.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.94 .03	1.40	.48 .12	.34 .10	4.76	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL FEB	JUL JAN	JUN JAN	MAY DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 37.00	87.00 52.00	61.00 33.00	71.00 33.00	63.00 44.00	
AT OUTFALL, SUMMER - WINTER	99.00 53.00	91.00 55.00	80.00 74.00	96.00 66.00	80.00 56.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	45,000.00	170.00	29,740.00	26,750.00	130,000.00	
- WINTER	70,000.00	123.00	32,350.00	8,640.00	130,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	O	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.45	.34	.50	.04	.77	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1.20	30.46	.36	.07	1.69	
LIME (TONS), COOLING WATER - BOILER MAKEUP	19.50		14.88	12.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				1.55		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.00 .90	4.00	.55	.46	37.80	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	NO YES	YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	ST	RS	OT	OT	ST	
RECEIVING WATER BODY [19]	OHIO RIVER				TAUNTON RIVER	
POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING					7.00	
SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			15.50	24.00		
- ASH SETTLING				2,300.00	3.75	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 245.00	7 165.90	2 100.00	1 50.00		
ONCE THROUGH COOLING (SALINE)					5 305.00	
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1960	1945 1968	1954 1963	1958	1925 1959	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.00 21.00	4.00	25.40 28.30	25.00	14.25 19.15	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	277.70	329.90	98.70	49.00	552.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	297.00	329.90	98.70	49.00	517.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,205.00		692.80	993.70	853.72
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	31.60		17.00	19.20	51.60
COST OF CHEMICAL ADDITIVES ($1,000)	.67	2.20			4.80

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.60	8.00	20.00	11.20	4.50
COST OF CHEMICAL ADDITIVES ($1,000)	3.00	7.20	2.45	2.80	1.30

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	NEW BEDFORD GAS & EDISON LIGHT CO.	N. W. ELECTRIC POWER COOR. INC.	NEBRASKA PUBLIC POWER SYS.	NEBRASKA PUBLIC POWER SYS.	NEVADA POWER CO.		1
2								2
3								3
4	NAME OF PLANT	CANNON	MISSOURI CITY	KRAMER	LINCOLN	CLARK		4
5	UTILITY-PLANT CODE	327000-C100	327500-0100	33150C-0450	33150C-0500	333000-C100		5
6	STATE	MASSACHUSETTS	MISSOURI	NEBRASKA	NEBRASKA	NEVADA		6
7	COUNTY	BRISTOL	CLAY	SARPY	LANCASTER	CLARK		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	120 C1	094 10	085 10	145 10	013 15		8
9	PLANT CAPACITY (MW)	115.50	40.00	113.50	30.00	200.00		9
10	ANNUAL GENERATION (MWH)[3]	514,100	137,800	328,500	41,100	451,500		10
11	PLANT HEAT RATE (BTU/KWH)[3]	15,685	12,360	12,391	26,578	11,551		11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	2.95	74.55	88.60	10.20			12
13	AVERAGE HEAT CONTENT (BTU/LB)	12,859	11,212	12,362	12,555			13
14	AVERAGE SULFUR CONTENT (%)	1.40	3.87	3.17	2.69			14
15	AVERAGE ASH CONTENT (%)	10.80	11.12	10.54	11.93			15
16	AVERAGE MOISTURE CONTENT (%)	4.80	11.81	7.35	4.52			16
17	OIL: CONSUMPTION (1,000 BARRELS)	853.20	22.48		6.00	.18		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	149,514	150,852		149,089	152,200		18
19	AVERAGE SULFUR CONTENT (%)	2.06	2.48		3.25	1.30		19
20	GAS: CONSUMPTION (1,000 MCF)	2,686.40		1,864.80	816.60	4,779.76		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000		1,007	1,000	1,090		21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	12	2	4	3	3		22
23	- NO. OF WET BOTTOM		2		1			23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS	2	2		2			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	3						26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	14.30 35.00	20.00			1.50 1.60		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	95.00	80.00		85.00			30
31	TESTED, LOW - HIGH	95.00	52.00					31
32	ESTIMATED, LOW - HIGH	95.00			85.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	94.00						33
34	TESTED, LOW - HIGH	94.00						34
35	EST., LOW - HIGH	25.50						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.31	2.59	7.94	.16			39
40	SULFUR DIOXIDE (1,000 TONS)	5.98	5.84	5.50	.59			40
41	NITROGEN OXIDES (1,000 TONS)	2.41	1.17	1.16	.26	.93		41
42	STACKS: - TOTAL NO.	6	2	2	2	3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	175.00 250.00	130.00	252.00	207.00	100.00 156.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.16						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	.15	7.06	2.60	.90			45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	7.60	20.00		109.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	166.40						51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	122.00	20.00	86.00	40.00	77.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	2.00	10.00	8.00	4.50			55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	2.00	12.00	8.00	4.50			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	ACUSHNET RIVER	MISSOURI RIVER	MISSOURI RIVER	CITY WATER	SEWAGE EFFLUENT		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	43.67	28.40	144.14		2.25		62
63	AVERAGE RATE OF DISCHARGE (CFS)	43.67	28.40	144.12		.72		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.38	.24	1.24 .02		1.53		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUL JAN	JUL DEC		AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	76.00 42.00	85.00 32.00	88.00 36.00				66
67	AT OUTFALL, SUMMER - WINTER	96.00 52.00	98.00 43.00	92.00 46.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	43.67	85,000.00	44,950.00				68
69	- WINTER	43.67	23,000.00	22,100.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	O	H	H	H	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.00	.38	1.00	.15		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		4.55	.02	2.00	.04		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		13.25	67.10	25.00	675.00		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			28.20				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.40		2.00 16.00	1.00	106.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	NO YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	RS	ST	SW	RS	ST		77
78	RECEIVING WATER BODY			MISSOURI RIVER				78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING		6.50 6.00	8.70				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		2,000.00 250.00	70.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		95.00	182.50				81
82	- ASH SETTLING		314.00					82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 40.00	3 112.50				83
84	ONCE THROUGH COOLING (SALINE)	6 115.40						84
85	COOLING POND(S)							85
86	COOLING TOWER(S)				3 29.00	3 190.30		86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1917 1950	1953	1949 1951	1948 1956	1955 1961		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	12.00	8.00				89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	288.50	105.34	306.00	89.00	317.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	288.50	52.21	321.00				91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	430.50	725.70	1,000.00				92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)				202.00	491.00		94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.00		10.00	13.60			95
96	COST OF CHEMICAL ADDITIVES ($1,000)	3.00		.30	1.70			96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	7.00	2.00	10.00	20.00			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	.30	2.50	10.20	1.70			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	NEVADA POWER CO.	NEVADA POWER CO.	NEW ENGLAND POWER CO.	NEW ENGLAND POWER CO.	NEW JERSEY POWER & LIGHT CO.	
NAME OF PLANT	GARDNER	SUNRISE	BRAYTON	SALEM HARBOR	GILBERT	
UTILITY-PLANT CODE	333000-0300	333000-0500	334000-0200	334000-1200	335000-0100	
STATE	NEVADA	NEVADA	MASSACHUSETTS	MASSACHUSETTS	NEW JERSEY	
COUNTY	CLARK	CLARK	BRISTOL	ESSEX	HUNTERDON	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	013 15	013 15	120 01	119 01	151 02	
PLANT CAPACITY (MW)	227.30	81.60	1,162.00	319.90	126.10	
ANNUAL GENERATION (MWH)[3]	1,617,500	419,600	4,117,436	1,786,071	739,400	
PLANT HEAT RATE (BTU/KWH)[3]	9,948	10,127	9,054	9,956	12,106	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	631.50		822.00	243.30	341.00	
AVERAGE HEAT CONTENT (BTU/LB)	12,693		12,958	13,501	13,076	
AVERAGE SULFUR CONTENT (%)	.49		.98	1.30	1.17	
AVERAGE ASH CONTENT (%)	6.62		8.74	6.51	9.45	
AVERAGE MOISTURE CONTENT (%)	4.64		5.57	5.90	5.56	
OIL: CONSUMPTION (1,000 BARRELS)	5.24	.01	2,938.30	1,780.10		
AVERAGE HEAT CONTENT (BTU/GAL)	137,381	152,200	148,484	149,810		
AVERAGE SULFUR CONTENT (%)	1.20	.10	2.27	2.08		
GAS: CONSUMPTION (1,000 MCF)		3,898.42				
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,091				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	1	3		3		3		
- NO. OF WET BOTTOM	2		3		3				
- NO. WITH FLY ASH REINJECTION									
- NO. WITH MECHANICAL PRECIPITATORS	2								
- NO. WITH ELECTROSTATIC PRECIPITATORS			3		3		2		
- NO. WITH COMBINATION PRECIPITATORS[4]							1		
- NO. WITH DESULFURIZATION SYSTEMS									
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00	8.00	4.00	13.00	18.00	25.00	4.10	10.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	88.10								
TESTED, LOW - HIGH	76.30								
ESTIMATED, LOW - HIGH	80.00								
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			98.40	99.00	97.00		90.00	99.00	
TESTED, LOW - HIGH			98.50	99.50	96.30				
EST., LOW - HIGH			97.60	99.00	90.00		88.80	91.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	5.43		.86	1.06	2.71	
SULFUR DIOXIDE (1,000 TONS)	6.09		38.19	18.62	7.82	
NITROGEN OXIDES (1,000 TONS)	9.48	.76	18.80	7.57	3.07	
STACKS: - TOTAL NO.	2	1	3	3	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00	135.00	352.00	250.00	176.00 205.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.26	.20		
TOTAL ASH: COLLECTED (1,000 TONS)[10]	35.10		73.00	59.00	31.00	
SOLD (1,000 TONS)[11]	2.65					
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	[illegible]					
ELECTROSTATIC PRECIPITATORS ($1,000)			2,182.00	837.00	289.00	
COMBINATION PRECIPITATORS ($1,000)[4]					467.00	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	245.00	26.00	896.00	421.00	61.50	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			11.40	79.90	50.00	
REVENUES FROM SALE OF ASH ($1,000)	2.15					
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			11.40		461.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	2.15					

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WELLS/MUDDY RIVER		SEWAGE EFFLUENT		TAUNTON RIVER		SALEM HARBOR		DELAWARE RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	4.30		1.38		894.00		411.00		276.00	
AVERAGE RATE OF DISCHARGE (CFS)			.25		894.00		411.00		276.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	4.30		1.13		7.69		3.53		2.37	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG	DEC	AUG	OCT	AUG	DEC	AUG	DEC	JUL	DEC
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER					75.00	34.00	73.00	60.00	84.00	42.00
AT OUTFALL, SUMMER - WINTER					90.00	49.00	90.00	78.00	100.00	57.00
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					TIDAL		TIDAL			11,252.00
- WINTER					TIDAL		TIDAL			10,660.00
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C		C		O		H		C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	25.00	.05	1.75	.10		1.50		5.88		.56
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.02		.08		80.28		2.99		
LIME (TONS), COOLING WATER - BOILER MAKEUP			380.00							
ALUM (TONS), COOLING WATER - BOILER MAKEUP										.35
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	24.00		122.00		136.37	136.37	328.82		26.10	.15
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[4]		YES	YES	YES	NO	YES	YES	YES	NO	YES
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		ST		ST		PS			
RECEIVING WATER BODY[19]										
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		10.70			4.50	4.50	9.50	6.60		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					2,000.00		10.00	12.50		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						56.18		64.35		
- ASH SETTLING		42,000.00				15,646.00		30,835.20		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)									3	126.10
ONCE THROUGH COOLING (SALINE)					3	1,162.00	3	319.94		
COOLING POND(S)										
COOLING TOWER(S)	2	227.30	1	81.60						
COMBINATIONS[21]										
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1964	1967		1964	1963	1969	1951	1958	1930	1949
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	17.00	18.00			12.00	17.33	8.70	14.00	13.20	17.30
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		275.00		106.10		1,403.60		586.39		221.00
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						1,398.10		586.39		233.00

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)					3,963.00		679.30		290.50	
COOLING PONDS ($1,000)										
COOLING TOWERS ($1,000)		637.00		180.00						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)						22.50		18.00	
COST OF CHEMICAL ADDITIVES ($1,000)					32.73	10.30		6.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					36.14	13.00		15.70	
COST OF CHEMICAL ADDITIVES ($1,000)					10.97	2.64		1.40	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	NEW ORLEANS PUBLIC SERVICE INC.	NEW ORLEANS PUBLIC SERVICE INC.	NEW ORLEANS PUBLIC SERVICE INC.	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.		
4	NAME OF PLANT	PATERSON	MARKET ST.	MICHOUD	GOUDEY	GREENRIDGE		
5	UTILITY-PLANT CODE	33750C-0100	33750C-0200	33750C-0300	3390CC-0600	3390CC-0700		
6	STATE	LOUISIANA	LOUISIANA	LOUISIANA	NEW YORK	NEW YORK		
7	COUNTY	ORLEANS	ORLEANS	PARISH ORLEANS	BROOME	YATES		
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	106 C8	106 C8	106 C8	163 C2	160 C4		
9	PLANT CAPACITY (MW)	218.25	96.25	959.25	145.75	170.00		
10	ANNUAL GENERATION (MWH) 3/	708,200	242,700	5,217,900	755,800	942,600		
11	PLANT HEAT RATE (BTU/KWH) 3/	12,328	14,756	10,027	10,925	11,016		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)						369.95		414.58	
13	AVERAGE HEAT CONTENT (BTU/LB)						11,522		12,224	
14	AVERAGE SULFUR CONTENT (%)						2.14		2.63	
15	AVERAGE ASH CONTENT (%)						20.13		12.67	
16	AVERAGE MOISTURE CONTENT (%)						4.03		6.01	
17	OIL: CONSUMPTION (1,000 BARRELS)	.62		1.10			11.10		63.50	
18	AVERAGE HEAT CONTENT (BTU/GAL)	146,181		149,570			136,651		137,500	
19	AVERAGE SULFUR CONTENT (%)	.79		1.39			.10		.10	
20	GAS: CONSUMPTION (1,000 MCF)	8,267.02	3,437.67	49,081.57						
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,063	1,050	1,072						

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	3	3			6		6	
23	- NO. OF WET BOTTOM						6		6	
24	- NO. WITH FLY ASH REINJECTION									
25	- NO. WITH MECHANICAL PRECIPITATORS								5	
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						6		1	
27	- NO. WITH COMBINATION PRECIPITATORS 4/									
28	- NO. WITH DESULFURIZATION SYSTEMS									
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	5.00 12.00	10.00 12.00	12.00		30.00 31.00		21.00 25.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							76.40 80.00		
31	TESTED, LOW - HIGH									
32	ESTIMATED, LOW - HIGH								75.00	
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH					92.00 96.00			98.00	
34	TESTED, LOW - HIGH					75.70 85.20			60.00	
35	EST., LOW - HIGH					85.00 90.00			85.00	
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
37	TESTED, LOW - HIGH									
38	ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)						10.49		6.46	
40	SULFUR OIOXIDE (1,000 TONS)			.01			15.77		21.39	
41	NITROGEN OXIDES (1,000 TONS)	1.61	.67	9.87			5.66		6.36	
42	STACKS: - TOTAL NO.	2	2	6			2		4	
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	151.00	315.00	164.00 186.00		282.00 287.00		227.00 250.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/									
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/						70.10		52.00	
46	SOLD (1,000 TONS) 11/								15.40	
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)									
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/									
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)									
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)								98.99	
51	ELECTROSTATIC PRECIPITATORS ($1,000)						330.54		218.23	
52	COMBINATION PRECIPITATORS ($1,000) 4/									
53	DESULFURIZATION SYSTEMS ($1,000)									
54	STACKS ($1,000)	127.00	84.00	189.00			80.29		273.81	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						48.00		52.60	
56	REVENUES FROM SALE OF ASH ($1,000)									
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)									
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)									
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/						48.00		69.20	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)								1.10	

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	INNER HAR NAV CAN	MISSISSIPPI RIVER	MISS. R. GULF OUT	SUSQUEHANNA RIVER		SENECA LAKE			
62	AVERAGE RATE OF WITHDRAWAL (CFS)	197.00	112.00	945.00	144.37		266.66			
63	AVERAGE RATE OF DISCHARGE (CFS)	197.00	112.00	945.00	144.31		266.58			
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	1.69	.96	8.13	1.24	.06	2.29	.08		
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL MAR	JUN DEC	JUL JAN	AUG JAN		AUG JAN			
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00 55.00	79.00 49.00	89.00 58.00	75.00 38.00		75.00 39.00			
67	AT OUTFALL, SUMMER - WINTER	104.00 82.00	90.00 60.00	106.00 71.00	93.00 62.00		87.00 54.00			
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		464,000.00		980.00		370.00			
69	- WINTER		758,000.00		5,730.00		474.00			
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, G 16/	H	H	H	C		C			
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.49	.53	1.27						
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1.10	.17	.11						
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						17.93			
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				6.03					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP 17/	73.00		332.00	14.96		12.40			
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES	YES		NO	YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	PS	ST	ST		ST			
78	RECEIVING WATER BODY 19/			MISS. R. GULF OUT			SENECA LAKE			
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				10.40			6.20		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				170.00					
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				2,332.00					
82	- ASH SETTLING						61,500.00			

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20: ONCE THROUGH COOLING (FRESH)		3 96.25		4 145.75		4 170.00			
84	ONCE THROUGH COOLING (SALINE)	4 218.25		3 959.25						
85	COOLING POND(S)									
86	COOLING TOWER(S)									
87	COMBINATIONS 21/									
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1947 1954	1938 1948	1957 1967	1924 1951		1938 1953			
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	16.90 17.80	10.92 11.98	15.10 17.20	26.00 34.00		22.00 27.00			
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	334.30	247.30	1,158.10	226.50		300.00			
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	334.30	247.30	1,158.10	232.50		301.00			

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,848.60	930.90	3,476.70	778.00		1,647.00			
93	COOLING PONDS ($1,000)									
94	COOLING TOWERS ($1,000)									

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	58.00	18.00	86.00	25.40		35.30			
96	COST OF CHEMICAL ADDITIVES ($1,000)	10.00		67.00	1.50		1.30			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	27.00	20.00	31.00	2.20		28.70			
98	COST OF CHEMICAL ADDITIVES ($1,000)	9.00	3.00	30.00	1.50		6.40			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.	NIAGARA-MOHAWK POWER CORP.	NIAGARA-MOHAWK POWER CORP.		
NAME OF PLANT	HICKLING	JENNISON	MILLIKEN	OSWEGO	ALBANY		
UTILITY-PLANT CODE	339000-0900	339000-1100	339000-1400	341000-3800	341000-5900		
STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	NEW YORK		
COUNTY	STEUBEN	CHENANGO	TOMPKINS	OSWEGO	ALBANY		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	164 02	163 02	164 04	158 04	61 02		
PLANT CAPACITY (MW)	75.00	60.00	270.00	376.00	400.00		
ANNUAL GENERATION (MWH) [3]	434,100	204,000	1,954,700	1,681,800	2,558,400		
PLANT HEAT RATE (BTU/KWH) [3]	13,566	14,960	9,532	10,991	9,593		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	242.07	129.36	794.76	816.00	953.00	
AVERAGE HEAT CONTENT (BTU/LB)	12,199	11,831	11,679	13,325	12,880	
AVERAGE SULFUR CONTENT (%)	1.81	2.08	2.34	2.52	2.70	
AVERAGE ASH CONTENT (%)	16.16	16.21	17.76	8.08	10.08	
AVERAGE MOISTURE CONTENT (%)	4.80	6.30	5.61	4.35	4.72	
OIL: CONSUMPTION (1,000 BARRELS)			25.37			
AVERAGE HEAT CONTENT (BTU/GAL)			137,565			
AVERAGE SULFUR CONTENT (%)			.14			
GAS: CONSUMPTION (1,000 MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	4	2	4	4	
- NO. OF WET BOTTOM	4	4	2	4		
- NO. WITH FLY ASH REINJECTION	4	4				
- NO. WITH MECHANICAL PRECIPITATORS	4	4		4	4	
- NO. WITH ELECTROSTATIC PRECIPITATORS			2			
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	25.00 28.00		24.00	12.00	22.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	90.00 93.50	92.00		89.00	80.00 89.00	
TESTED, LOW - HIGH				83.00 89.90	81.70	
ESTIMATED, LOW - HIGH	86.00	86.00		86.00 89.00	75.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			98.00			
TESTED, LOW - HIGH			84.00 86.00			
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	8.07	4.32	13.76	5.42	20.40	
SULFUR DIOXIDE (1,000 TONS)	8.59	5.27	36.46	40.31	50.40	
NITROGEN OXIDES (1,000 TONS)	1.82	.97	11.97	12.24	8.57	
STACKS: - TOTAL NO.	2	2	2	4	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	142.00	152.00	250.00	364.00	345.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	47.80	25.72	135.70	74.00	78.10	
SOLD (1,000 TONS) [11]	15.80	19.50				
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	108.30	106.90		341.30	317.10	
ELECTROSTATIC PRECIPITATORS ($1,000)			777.31			
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	55.30	67.88	1,505.57	222.90	308.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	70.10	25.20	156.80	19.60	35.00	
REVENUES FROM SALE OF ASH ($1,000)	7.80	9.40				
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	70.10	25.20	156.80	19.60	35.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	7.80	9.40				

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CHEMUNG RIVER		SUSQUEHANNA RIVER		CAYUGA LAKE		LAKE ONTARIO		HUDSON RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	100.51		62.62		355.73		500.00		784.00	
AVERAGE RATE OF DISCHARGE (CFS)	100.48		62.01		355.69		500.00		784.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.86	.03	.53	.01	3.06	.04	4.30		6.74	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG	JAN	AUG	JAN	AUG	JAN	AUG	JAN	JUN	JAN
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	73.87	43.77	72.84	34.62	66.00	37.40	76.00		70.00	
AT OUTFALL, SUMMER - WINTER	92.96	71.03	86.67	56.58	72.40	54.50	88.00	55.00	80.00	48.00
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		4.85		470.00		343.00		693.00		9,092.00
- WINTER		1,555.00		1,615.00		779.00		387.00		12,801.00
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C [16]	C		C		C		C		C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP										.30
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP								59.77		.05
LIME (TONS), COOLING WATER - BOILER MAKEUP										
ALUM (TONS), COOLING WATER - BOILER MAKEUP								1.75		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.66		18.38		4.07				115.55	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO	YES	NO	YES	NO	YES		YES		YES
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST		ST/OT		ST		PS		ST	
RECEIVING WATER BODY [19]			SUSQUEHANNA RIVER		CAYUGA LAKE				DRAIN FIELD	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.90	7.70		7.80				11.80		10.80
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING										
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		25.42								
- ASH SETTLING								20,000.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2	75.00	2	60.00	2	270.00	4	376.00	4	400.00
ONCE THROUGH COOLING (SALINE)										
COOLING POND(S)										
COOLING TOWER(S)										
COMBINATIONS [21]										
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948	1952	1945	1950	1955	1958	1940	1951	1952	1954
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	21.50	23.00				25.00	11.50	13.20		10.30
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		116.00		96.80		376.00		736.00		780.00
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		118.50		100.80		376.60		736.00		780.00

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	392.00	291.00	715.00	1,516.40	410.40	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	29.90	24.40	37.30	2.20	15.00	
COST OF CHEMICAL ADDITIVES ($1,000)	.40	.30	.40		9.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.20	6.90	9.00	1.40	30.00	
COST OF CHEMICAL ADDITIVES ($1,000)	.90	.30	7.20	7.50	2.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	NIAGARA-MOHAWK POWER CORP.	NIAGARA-MOHAWK POWER CORP.	NORTHERN INDIANA PUBLIC SERVICE CO.	NORTHERN INDIANA PUBLIC SERVICE CO.	NORTHERN INDIANA PUBLIC SERVICE CO.		
4 NAME OF PLANT	HUNTLEY	DUNKIRK	BAILLY	MITCHELL	MICHIGAN CITY		
5 UTILITY-PLANT CODE	3410?0-7000	3410?0-8000	345500-0100	345500-0300	345500-0400		
6 STATE	NEW YORK	NEW YORK	INDIANA	INDIANA	INDIANA		
7 COUNTY	ERIE	CHAUTAUQUA	PORTER	LAKE	LAPORTE		
8 AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	162 04	164 04	067 04	067 04	082 04		
9 PLANT CAPACITY (MW)	E28.00	628.00	615.60	414.30	215.03		
10 ANNUAL GENERATION (MWH) [3]	4,162,400	3,681,700	3,311,900	2,350,900	E16,600		
11 PLANT HEAT RATE (BTU/KWH) [3]	9,774	9,575	9,886	9,872	12,462		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	1,575.00	1,353.00	1,267.69	822.13	343.38		
13 AVERAGE HEAT CONTENT (BTU/LB)	12,999	13,039	11,317	11,139	11,211		
14 AVERAGE SULFUR CONTENT (%)	2.80	2.65	3.86	3.05	2.88		
15 AVERAGE ASH CONTENT (%)	9.87	10.11	9.66	10.25	9.23		
16 AVERAGE MOISTURE CONTENT (%)	4.59	3.99	11.65	11.73	13.08		
17 OIL: CONSUMPTION (1,000 BARRELS)							
18 AVERAGE HEAT CONTENT (BTU/GAL)							
19 AVERAGE SULFUR CONTENT (%)							
20 GAS: CONSUMPTION (1,000 MCF)			3,401.70	4,894.13	2,479.17		
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,000	1,000	1,000		

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	6	4	2	3	6		
23 - NO. OF WET BOTTOM	4		2		6		
24 - NO. WITH FLY ASH REINJECTION			?				
25 - NO. WITH MECHANICAL PRECIPITATORS		2			2		
26 - NO. WITH ELECTROSTATIC PRECIPITATORS			2	3	3		
27 - NO. WITH COMBINATION PRECIPITATORS [4]	6	2					
28 - NO. WITH DESULFURIZATION SYSTEMS							
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	14.00 15.00	15.00 18.00	16.00 17.00	18.00	20.00		
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		82.00			60.00		
31 TESTED, LOW - HIGH		81.60 85.60					
32 ESTIMATED, LOW - HIGH		80.00			60.00		
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	90.60 96.50	96.50	96.50	98.00	90.00 98.00		
34 TESTED, LOW - HIGH	94.00 97.30	95.10 96.30			95.60 98.20		
35 EST., LOW - HIGH	94.00	95.50	96.20 96.30	89.40 97.20	82.00 89.80		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37 TESTED, LOW - HIGH							
38 ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	7.23	10.24	.52	4.42	3.94		
40 SULFUR DIOXIDE (1,000 TONS)	86.95	70.28	98.18	49.15	19.38		
41 NITROGEN OXIDES (1,000 TONS)	18.06	12.18	36.35	8.35	6.62		
42 STACKS: - TOTAL NO.	2	3	1	2	4		
43 - HEIGHT (FEET), LOWEST - HIGHEST [8]	350.00 310.00	312.00	400.00	236.00	270.00		
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45 TOTAL ASH: COLLECTED (1,000 TONS) [10]	152.50	136.20	124.50	77.40	31.60		
46 SOLD (1,000 TONS) [11]	1.30		120.00	3.50	17.80		
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		149.00			153.40		
51 ELECTROSTATIC PRECIPITATORS ($1,000)			1,108.00	1,180.00	726.00		
52 COMBINATION PRECIPITATORS ($1,000) [4]	1,417.80	832.40					
53 DESULFURIZATION SYSTEMS ($1,000)							
54 STACKS ($1,000)	1,730.10	617.80	544.00	537.00	236.00		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	301.00	249.90	110.00	116.00	56.10		
56 REVENUES FROM SALE OF ASH ($1,000)	1.30		19.00	1.00	3.00		
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	301.00	249.90	110.00	121.00	62.10		
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)			19.00	1.00	3.00		

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	NIAGARA RIVER	LAKE ERIE	LAKE MICHIGAN	LAKE MICHIGAN	LAKE MICHIGAN		
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,160.00	890.00	512.00	533.00	245.00		
63 AVERAGE RATE OF DISCHARGE (CFS)	1,160.00	890.00	512.00	533.00	245.00		
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	9.98	7.65	4.40	4.58	2.11		
65 PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG JAN	AUG DEC	AUG DEC	MAY JAN		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	76.00	70.00	70.00 43.00	70.00 40.00	63.00 42.00		
67 AT OUTFALL, SUMMER - WINTER	90.00 50.00	77.00 50.00	85.00 62.00	80.00 48.00	73.00 61.00		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	231,000.00						
69 - WINTER	207,000.00						
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C [16]	C	C	H	O	H		
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.10	.24	.55	.15		
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	76.56	29.10	28.00	13.50	1.40		
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	16.00	11.86					
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP		.68	11.50	4.00			
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	121.00		8.00	8.00	10.50		
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES YES		
77 SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	RS	RS	ST	ST	RS		
78 [19] RECEIVING WATER BODY							
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.80	8.00		11.50	7.50		
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	3.00	40.00		79.40	100.00		
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82 - ASH SETTLING	11,000.00	46,350.00	17,000.00	140,000.00	35,000.00		

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	6 828.00	4 628.00	2 615.60	3 414.30	3 215.04		
84 ONCE THROUGH COOLING (SALINE)							
85 COOLING POND(S)							
86 COOLING TOWER(S)							
87 COMBINATIONS [21]							
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1942 1958	1950 1960	1962 1968	1956 1959	1931 1951		
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.70 13.70	11.50 15.20	10.00 21.00	10.00	8.79 10.00		
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,292.00	892.00	685.00	945.00	516.00		
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,292.00	892.00	685.00	945.00	516.00		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	3,637.80	4,593.60	3,915.00	2,467.00	759.00		
93 COOLING PONDS ($1,000)							
94 COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	15.00	9.20					
96 COST OF CHEMICAL ADDITIVES ($1,000)	13.00		2.00	1.00	2.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	62.00	19.00	11.00	26.00	22.00		
98 COST OF CHEMICAL ADDITIVES ($1,000)	8.00	3.00	8.00	6.00			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)		
4	NAME OF PLANT	BLACK DOG	HIGH BRIDGE	KING	LAWRENCE	MINN VALLEY		
5	UTILITY-PLANT CODE	3470C0-C3CC	3470C0-13CC	3470C0-140C	3470CC-15CC	3470C0-18CC		
6	STATE	MINNESOTA	MINNESOTA	MINNESOTA	SOUTH DAKOTA	MINNESOTA		
7	COUNTY	DAKOTA	RAMSEY	WASHINGTON	MINNEHAHA	CHIPPEWA		
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	131 07	131 07	131 07	087 10	133 07		
9	PLANT CAPACITY (MW)	486.66	463.84	558.40	48.00	66.00		
10	ANNUAL GENERATION (MWH) [3]	2,610,300	2,716,200	2,852,400	113,200	158,700		
11	PLANT HEAT RATE (BTU/KWH) [3]	10,901	11,229	9,521	14,602	13,272		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	556.57	564.54	1,267.12	26.47	63.15		
13	AVERAGE HEAT CONTENT (BTU/LB)	11,365	11,182	11,249	11,768	12,272		
14	AVERAGE SULFUR CONTENT (%)	3.20	3.49	3.17	3.32	3.18		
15	AVERAGE ASH CONTENT (%)	11.62	11.87	11.71	11.51	11.62		
16	AVERAGE MOISTURE CONTENT (%)	10.69	11.32	10.45	9.43	7.13		
17	OIL: CONSUMPTION (1,000 BARRELS)	1.48	112.01		.34	.60		
18	AVERAGE HEAT CONTENT (BTU/GAL)	134,200	134,263		134,200	134,200		
19	AVERAGE SULFUR CONTENT (%)	.25	.25		.25	.25		
20	GAS: CONSUMPTION (1,000 MCF)	15,734.67	18,801.71		1,021.56	549.01		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,017	989		1,007	1,007		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	12	1	3	4		
23	- NO. OF WET BOTTOM			1				
24	- NO. WITH FLY ASH REINJECTION			1	2			
25	- NO. WITH MECHANICAL PRECIPITATORS				3	1		
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	4	4	1				
27	- NO. WITH COMBINATION PRECIPITATORS [4]							
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	23.00 25.00	20.00 25.00	16.00	25.00 35.00	20.00 23.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				85.00 94.00	90.00		
31	TESTED, LOW - HIGH					82.90		
32	ESTIMATED, LOW - HIGH				85.90 94.00	82.90		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	97.00 97.80	94.00 98.00	59.00				
34	TESTED, LOW - HIGH		43.00 93.10	58.50				
35	EST., LOW - HIGH	97.00 97.80	43.00 93.00	58.50				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	1.50	10.83	3.83	.35	2.14		
40	SULFUR DIOXIDE (1,000 TONS)	34.53	34.61	73.34	1.72	3.94		
41	NITROGEN OXIDES (1,000 TONS)	8.03	8.45	9.95	.42	.65		
42	STACKS: - TOTAL NO.	4	5	1	3	2		
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	289.00	292.50	789.00	165.00	277.50		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	58.00	53.96	140.80	2.85	4.50		
46	SOLD (1,000 TONS) [11]	5.00						
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				36.00	52.00		
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,306.00	962.00	1,370.00				
52	COMBINATION PRECIPITATORS ($1,000) [4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	580.00	500.00	1,635.00	201.00	169.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	53.60	96.30	63.00	13.50	9.30		
56	REVENUES FROM SALE OF ASH ($1,000)	.42						
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	53.60	96.30	100.00	13.50	9.30		
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	.42						

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	MINNESOTA RIVER	MISSISSIPPI	ST. CROIX RIVER	BIG SOUIX R/WELLS	MINNESOTA RIVER		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	192.00	428.00	411.20	.62	44.10		
63	AVERAGE RATE OF DISCHARGE (CFS)	190.00	428.00	410.00	.25	44.10		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	2.00	3.68	1.20	.37	.38		
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG OFC		
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 40.00	79.80 33.00	81.00 33.00	80.00 39.00	85.00 32.00		
67	AT OUTFALL, SUMMER - WINTER	92.00 62.00	100.70 69.20	86.90 63.20	80.00 39.00	101.00 59.00		
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	1,985.00	6,150.00	2,025.00	157.00	234.00		
69	- WINTER	591.00	4,910.00	2,468.00	75.70	50.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C		C	H			
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.85	16.75		2.80 .16	.39		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.99	3.75		2.10	.37		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				195.50			
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		1.80		4.85			
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	108.20	8.67	64.00	2.30	4.56		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]		NO YES	YES	YES YES			
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	PS	PS	ST	ST		
78	[19] RECEIVING WATER BODY	BLACK DOG LAKE						
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.70				8.60		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	103.60			1.00	91.00		
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	2,780.00	93.00		10.70	46.50		
82	- ASH SETTLING	103,900.00			361.00	2,674.00		

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		6 463.84			3 66.00		
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING POND(S)							
86	COOLING TOWER(S)				3 48.00			
87	COMBINATIONS [21]	4 486.66		1 558.40				
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1952	1923 1956	1968	1948 1951	1930 1953		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	18.00	18.00 20.00	16.90	14.50 15.40	16.00		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	574.90	662.90	619.50	100.30	92.40		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	574.90	662.90	619.50	1.20	92.40		

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,565.00	2,142.00	1,819.00	715.00	344.00		
93	COOLING PONDS ($1,000)	282.00						
94	COOLING TOWERS ($1,000)			1,633.00	308.00			

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	34.40	10.20	69.90	55.30	7.70		
96	COST OF CHEMICAL ADDITIVES ($1,000)	16.20	1.30	11.72	19.00	.68		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	17.70	2.20	13.20	1.00		
98	COST OF CHEMICAL ADDITIVES ($1,000)	.54	4.40	5.88	.73	.15		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)		
NAME OF PLANT	RIVERSIDE	SOUTHEAST	WILMARTH	WINONA	FRENCH ISLAND		
UTILITY-PLANT CODE	347000-2700	347000-3000	347000-3600	347000-3700	347000-4700		
STATE	MINNESOTA	MINNESOTA	MINNESOTA	MINNESOTA	WISCONSIN		
COUNTY	HENNEPIN	HENNEPIN	BLUE EARTH	WINONA	LA CROSSE		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	131 07	131 07	128 07	128 07	128 07		
PLANT CAPACITY (MW)	518.36	30.00	25.00	26.00	25.00		
ANNUAL GENERATION (MWH) [3]	2,209,800	28,886	96,600	47,430	59,300		
PLANT HEAT RATE (BTU/KWH) [3]		18,312	13,755	16,172	19,946		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	750.23		21.08	34.01	50.87		
AVERAGE HEAT CONTENT (BTU/LB)	12,071		11,963	11,276	11,735		
AVERAGE SULFUR CONTENT (%)	3.49		2.49	3.41	3.06		
AVERAGE ASH CONTENT (%)	9.97		9.27	11.88	10.57		
AVERAGE MOISTURE CONTENT (%)	9.36		8.92	10.33	8.31		
OIL: CONSUMPTION (1,000 BARRELS)	64.82	21.45					
AVERAGE HEAT CONTENT (BTU/GAL)	134,200	134,200					
AVERAGE SULFUR CONTENT (%)	.25	.25					
GAS: CONSUMPTION (1,000 MCF)	6,685.58	408.68	818.45				
AVERAGE HEAT CONTENT (BTU/CU.FT.)	999	1,000	1,007				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	18	3	2	4	2		
- NO. OF WET BOTTOM	1						
- NO. WITH FLY ASH REINJECTION	1		2	1	1		
- NO. WITH MECHANICAL PRECIPITATORS	5		2	1	1		
- NO. WITH ELECTROSTATIC PRECIPITATORS	3						
- NO. WITH COMBINATION PRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 30.00	30.00	35.00	36.00 50.00	35.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			94.00		88.50		
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH			94.00	94.00	88.50		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH	97.00 98.00						
EST., LOW - HIGH	97.00 98.00						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.79		.20	.80	2.29		
SULFUR DIOXIDE (1,000 TONS)	51.38	.02	1.03	2.27	3.04		
NITROGEN OXIDES (1,000 TONS)	17.94	.13	.32	.26	.38		
STACKS: - TOTAL NO.	9	2	2	4	2		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	253.00	225.00	158.50	56.40 200.80	125.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]	74.00		2.00	3.69	5.40		
SOLD (1,000 TONS) [11]	8.00						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	1*6.40		17.10	58.00	68.00		
ELECTROSTATIC PRECIPITATORS ($1,000)	1,002.00						
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	676.00	25.00	117.00	85.00	55.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	85.00		6.20	6.00	3.00		
REVENUES FROM SALE OF ASH ($1,000)	5.80						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	85.00		6.20	6.00	3.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	5.80						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MISSISSIPPI RIVER	MISSISSIPPI RIVER	MINNESOTA RIVER	MISSISSIPPI RIVER	BLACK RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	482.40	12.50	23.30	90.24	22.00		
AVERAGE RATE OF DISCHARGE (CFS)	482.40	12.50	23.30	90.24	22.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]							
PEAK LOAD MONTH : SUMMER - WINTER [15]	4.15	.11	.20	.78	.19		
	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 36.00	81.00 42.00	80.00 32.00	76.00 34.00	89.00 43.00		
AT OUTFALL, SUMMER - WINTER	95.70 63.50	92.00 58.00	101.00 64.50	93.00 54.00	96.00 55.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	4,195.00	4,195.00	1,560.00	8,565.00	157.00		
- WINTER	4,371.00	4,371.00	488.00	14,050.00	75.70		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	H	H	H	H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.09	.70	.24	.14	.06		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.20	.08	.18	.26	.01		
LIME (TONS), COOLING WATER - BOILER MAKEUP			2.33	2.60			
ALUM (TONS), COOLING WATER - BOILER MAKEUP			.26	.72			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	14.00		3.50	.09	.05		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	YES	YES	YES			
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	PS	ST	PS	ST		
RECEIVING WATER BODY [19]			DRAIN FIELD				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	4,204.27	110.00	1.30	4.00	.26		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	8 518.36	2 30.00	2 25.00	3 26.00	2 25.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1914 1964	1917 1946	1948 1951	1916 1951	1940 1948		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00 18.40	15.00	18.00	2.70	18.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	911.50	108.00	51.20	86.70	82.20		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	911.50	108.00	51.20	86.70	82.20		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,164.00	49.00	300.00	158.00	90.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	91.44	2.00	7.00	5.50	7.50		
COST OF CHEMICAL ADDITIVES ($1,000)	2.10		.53	.07	.04		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.20	1.10	4.80	1.00	1.20		
COST OF CHEMICAL ADDITIVES ($1,000)	6.00	.10	.38	.52	.02		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	NORTHERN STATES POWER CO. (MINN.)	OHIO EDISON CO.	OHIO EDISON CO.	OHIO EDISON CO.	OHIO EDISON CO.	OHIO EDISON CO.		
4	NAME OF PLANT	PATHFINDER	EDGEWATER	GORGE STEAM	MAD RIVER		NILES		
5	UTILITY-PLANT CODE	347700-52[illegible]	3545[illegible]	3545[illegible]	3545[illegible]		3545[illegible]		
6	STATE	SOUTH DAKOTA	OHIO	OHIO	OHIO		OHIO		
7	COUNTY	MINNEHAHA	LORAIN	SUMMIT	CLARK		TRUMBULL		
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	087 1[illegible]	174 [illegible]	174 [illegible]	173 05		178 05		
9	PLANT CAPACITY (MW)	75.00	192.87	87.50	75.00		250.00		
10	ANNUAL GENERATION (MWH) [3]	85,349	647,[illegible]	368,200	142,[illegible]		1,254,500		
11	PLANT HEAT RATE (BTU/KWH) [3]	14,084	11,017	12,494	14,372		10,258		
	AIR QUALITY CONTROL DATA								
	FUEL CONSUMPTION DATA (ANNUAL)								
12	COAL: CONSUMPTION (1,000 TONS)		396.10	202.90	86.40		570.00		
13	AVERAGE HEAT CONTENT (BTU/LB)		11,583	11,333	11,889		11,648		
14	AVERAGE SULFUR CONTENT (%)		3.06	3.64	1.65		3.30		
15	AVERAGE ASH CONTENT (%)		12.77	13.81	12.30		14.86		
16	AVERAGE MOISTURE CONTENT (%)		6.70	6.85	7.39		5.47		
17	OIL: CONSUMPTION (1,000 BARRELS)	54.77							
18	AVERAGE HEAT CONTENT (BTU/GAL)	140,444							
19	AVERAGE SULFUR CONTENT (%)	.80							
20	GAS: CONSUMPTION (1,000 MCF)	873.29							
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,007							
	PLANT EQUIPMENT DATA								
22	BOILERS: - TOTAL NO.	3	3	2	4		2		
23	- NO. OF WET BOTTOM						2		
24	- NO. WITH FLY ASH REINJECTION								
25	- NO. WITH MECHANICAL PRECIPITATORS		2		4		2		
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		1	2					
27	- NO. WITH COMBINATION PRECIPITATORS [4]								
28	- NO. WITH DESULFURIZATION SYSTEMS								
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	25.00 27.00	25.00 30.00	18.00 22.00		10.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00		55.00 80.00		70.00		
31	TESTED, LOW - HIGH								
32	ESTIMATED, LOW - HIGH		85.00		55.00 80.00		70.00		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		98.00	98.00					
34	TESTED, LOW - HIGH								
35	EST., LOW - HIGH		98.35	90.40 98.50					
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
37	TESTED, LOW - HIGH								
38	ESTIMATED, LOW - HIGH								
	PLANT OPERATING DATA AND COST OF EQUIPMENT								
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.01	1.85	2.27	2.03		2.54		
40	SULFUR DIOXIDE (1,000 TONS)	.15	18.30	14.48	2.81		36.87		
41	NITROGEN OXIDES (1,000 TONS)	.29	2.75	1.83	.76		15.68		
42	STACKS: - TOTAL NO.	1	2	2	3		2		
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	150.00	254.00 280.00	275.00	130.00 275.00		300.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]								
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]		36.40	25.60	8.40		82.10		
46	SOLD (1,000 TONS) [11]		9.00				76.20		
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]								
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		68.00		37.00		172.00		
51	ELECTROSTATIC PRECIPITATORS ($1,000)		335.00	975.00					
52	COMBINATION PRECIPITATORS ($1,000) [4]								
53	DESULFURIZATION SYSTEMS ($1,000)								
54	STACKS ($1,000)	83.00	93.00	47.00	25.00		104.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		41.00	51.70	19.10		52.10		
56	REVENUES FROM SALE OF ASH ($1,000)		5.00				65.20		
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		41.00	51.70	19.10		52.10		
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		5.00				65.20		
	WATER QUALITY CONTROL DATA								
61	COOLING WATER: SOURCE	BIG SIOUX RIVER	LAKE ERIE	CUYAHOGA RIVER	MAD RIVER		MAHONING RIVER		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1.35	144.09	103.00	52.90		235.97		
63	AVERAGE RATE OF DISCHARGE (CFS)	.35	144.09	102.65	52.88		235.53		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.00	1.24 .03	.89 .05	.45 .02		2.03 .04		
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC			AUG DEC		
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 39.00	80.00 50.00	88.00 43.00	71.00 39.00		82.50 52.50		
67	AT OUTFALL, SUMMER - WINTER	80.00 39.00	97.00 61.00	108.00 64.00	82.00 54.00		97.00 67.00		
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	157.00		106.70	372.00		460.00		
69	- WINTER	75.70			320.00		600.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]		C	C	C		C		
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.30		.45					
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.50	11.62	2.60	3.75		53.40		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	141.50			7.00				
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	24.05			.45				
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.00	6.00	23.00	.60		40.00		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES				YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST/PS	ST	ST		ST		
78	[19] RECEIVING WATER BODY		LEACHING FIELD	CUYAHOGA RIVER			MAHONING RIVER		
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		6.27				7.10		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		166.00						
81	VOLUME (1,000 CUST/YR), BOILER BLOWDOWN	53.00							
82	- ASH SETTLING								
	COOLING FACILITY DATA								
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		3 192.87	2 87.50	3 75.00		2 250.00		
84	ONCE THROUGH COOLING (SALINE)								
85	COOLING POND(S)								
86	COOLING TOWER(S)	1 75.00							
87	COMBINATIONS [21]								
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1923 1957	1943 1948	1927 1949		1954		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	16.00	15.00	16.00 17.00	15.00		15.00		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	133.10	325.30	196.06	172.80		312.00		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1.35	325.30	196.06	172.80		312.00		
	CAPITAL COSTS OF COOLING FACILITIES								
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,622.00	1,519.60	182.60	24.10		554.60		
93	COOLING PONDS ($1,000)								
94	COOLING TOWERS ($1,000)	576.00							
	ANNUAL COOLING WATER EXPENSES								
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	46.00	1.20	8.50	5.40		6.10		
96	COST OF CHEMICAL ADDITIVES ($1,000)	13.50	.60	2.20	.20		3.50		
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES								
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	15.50	7.00	4.30	1.60		6.70		
98	COST OF CHEMICAL ADDITIVES ($1,000)	.59	1.70	1.60	2.00		5.30		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	OHIO EDISON CO.	OHIO EDISON CO.	OHIO EDISON CO.	OHIO POWER CO.	OHIO POWER CO.	
NAME OF PLANT	BURGER	TORONTO	SAMMIS	KAMMER	MUSKINGUM	
UTILITY-PLANT CODE	3545?C-?5??	3545??-?6??	3545??-?7??	3552??-?12?	3552??-?2??	
STATE	OHIO	OHIO	OHIO	WEST VIRGINIA	OHIO	
COUNTY	BELMONT	JEFFERSON	JEFFERSON	MARSHALL	MORGAN	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	181 05	181 05	181 05	181 05	179 05	
PLANT CAPACITY (MW)	544.00	315.75	1,680.50	712.50	1,638.00	
ANNUAL GENERATION (MWH) [3]	2,792,500	729,200	8,686,200	4,156,900	7,939,800	
PLANT HEAT RATE (BTU/KWH) [3]	10,863	14,868	9,463	9,712	9,253	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,247.30	470.00	3,538.80	1,681.30	3,630.00	
AVERAGE HEAT CONTENT (BTU/LB)	12,160	11,392	11,612	12,001	10,067	
AVERAGE SULFUR CONTENT (%)	3.81	2.63	2.88	4.14	5.02	
AVERAGE ASH CONTENT (%)	10.81	14.99	13.62	12.66	21.03	
AVERAGE MOISTURE CONTENT (%)	5.89	6.05	4.22	6.06	7.01	
OIL: CONSUMPTION (1,000 BARRELS)						
AVERAGE HEAT CONTENT (BTU/GAL)						
AVERAGE SULFUR CONTENT (%)						
GAS: CONSUMPTION (1,000 MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8	10	6	3	5	
- NO. OF WET BOTTOM		8		3	4	
- NO. WITH FLY ASH REINJECTION				3		
- NO. WITH MECHANICAL PRECIPITATORS	6	10		3	2	
- NO. WITH ELECTROSTATIC PRECIPITATORS			6			
- NO. WITH COMBINATION PRECIPITATORS [4]	2				1	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	25.00	20.00 30.00	18.00 20.00	20.00	15.00 20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00 85.00	80.00 91.10		80.00	80.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	80.00	85.00 91.10		85.00	80.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	97.00		97.00 99.00		96.60	
TESTED, LOW - HIGH					85.00	
EST., LOW - HIGH	97.00		97.00 99.10		95.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	10.30	7.23	8.45	3.49	67.06	
SULFUR DIOXIDE (1,000 TONS)	93.14	24.23	159.76	136.44	357.15	
NITROGEN OXIDES (1,000 TONS)	11.23	5.25	31.85	46.24	58.68	
STACKS: - TOTAL NO.	5	11	3	2	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	245.00 305.00	131.00 171.00	504.00 850.00	600.00	298.00 825.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	210.20	77.90	680.00	210.60	782.60	
SOLD (1,000 TONS) [11]			17.30	126.90	9.30	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	260.00	580.00				
ELECTROSTATIC PRECIPITATORS ($1,000)			3,498.00		1,285.00	
COMBINATION PRECIPITATORS ($1,000) [4]	724.00					
DESULFURIZATION SYSTEMS ($1,000)					1,421.00	
STACKS ($1,000)	250.00	66.00	3,252.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	57.20	31.00	661.30	112.10	386.60	
REVENUES FROM SALE OF ASH ($1,000)			8.70	44.80	1.60	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59.80	31.70	661.30	112.10	386.60	
TOTAL BYPRODUCT SALES REVENUES ($1,000)			8.70	44.80	1.60	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	OHIO RIVER	OHIO RIVER	OHIO RIVER	OHIO RIVER	MUSKINGUM RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	573.22	280.44	1,632.27	1,000.00	679.20	
AVERAGE RATE OF DISCHARGE (CFS)	573.07	280.43	1,631.91	1,000.00	965.20	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	4.93 .15	2.41 .01	14.04 .36	8.60	8.42 10.00	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC		AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 44.00	83.00 44.00	80.00 42.00	83.00 44.00	80.00 41.00	
AT OUTFALL, SUMMER - WINTER	106.00 65.00	101.00 64.00	99.00 62.00	96.00 56.00	95.00 60.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	18,800.00	18,800.00	18,800.00	8,700.00	7,282.00	
- WINTER	42,700.00	42,700.00	42,700.00	8,700.00	7,282.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C [15]	C	C	C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS). COOLING WATER - BOILER MAKEUP				.71	.18	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	132.33	52.50	360.00	.12	45.00	
LIME (TONS), COOLING WATER - BOILER MAKEUP		36.00		25.18		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	.44	52.50				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	9.00 3.50	31.00	84.00	2.70	38.00 .50	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	NO YES	YES YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	ST	ST	ST	ST	OT	
POND DISCHARGE: [19] RECEIVING WATER BODY	OHIO RIVER	OHIO RIVER	OHIO RIVER	OHIO RIVER	MUSKINGUM RIVER	
PH, BOILER BLOWDOWN - ASH SETTLING	10.16		7.10	6.90	6.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					25.00	
VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN				45,000.00	330,000.00	
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 544.00	7 315.75	6 1,680.50	3 712.50	4 914.40	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)					1 550.80	
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1944 1955	1925 1949	1959 1969	1958 1959	1953 1966	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00	8.00 14.00	16.70 19.90	12.20	12.20 22.60	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	809.30	790.92	1,793.50	1,016.10	1,793.50	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	809.30	790.92	1,793.50	1,070.00	1,365.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	4,736.40	346.70	9,375.00			
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)					3,435.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	84.00	63.30	48.40	28.60	35.30	
COST OF CHEMICAL ADDITIVES ($1,000)	.00	7.50	8.10	3.00	30.50	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	15.80	4.60	17.20	6.10	12.30	
COST OF CHEMICAL ADDITIVES ($1,000)	24.00	24.00	65.00	4.50	7.60	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	OHIO POWER CO.	OHIO POWER CO.	OHIO POWER CO.	OHIO VALLEY ELECTRIC CORP.	OKLAHOMA GAS & ELECTRIC CO.		
NAME OF PLANT	PHILO	TIDD	WOODSDALE	KYGER CREEK	ARBUCKLE		
UTILITY-PLANT CODE	3552CC-C3CC	3552CC-C45C	3552CC-C55C	3567CC-C1CC	3565CC-C1CC		
STATE	OHIO	OHIO	OHIO	OHIO	OKLAHOMA		
COUNTY	MUSKINGUM	JEFFERSON	ALLEN	GALLIA	MURRAY		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	183 05	181 05	177 04	103 05	188 11		
PLANT CAPACITY (MW)	444.00	222.20	30.50	1,086.00	73.50		
ANNUAL GENERATION (MWH)[3]	1,475,200	1,126,600	84,400	7,553,400	298,600		
PLANT HEAT RATE (BTU/KWH)[3]	14,008	12,025		9,267	12,384		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	961.70	569.40	56.40	2,894.00			
AVERAGE HEAT CONTENT (BTU/LB)	10,693	11,860	12,211	11,822			
AVERAGE SULFUR CONTENT (%)	3.98	2.89	3.00	4.44			
AVERAGE ASH CONTENT (%)	15.76	12.78	14.70	13.36			
AVERAGE MOISTURE CONTENT (%)	8.01	6.11		6.16			
OIL: CONSUMPTION (1,000 BARRELS)							
AVERAGE HEAT CONTENT (BTU/GAL)							
AVERAGE SULFUR CONTENT (%)							
GAS: CONSUMPTION (1,000 MCF)					3,565.50		
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,037		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	17	3	6	5	1		
- NO. OF WET BOTTOM	1			5			
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS	6	3	1				
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]				5			
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	20.00	20.00		5.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00	85.00					
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH	84.00 86.00	30.00 73.00	65.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				96.10			
TESTED, LOW - HIGH							
EST., LOW - HIGH				96.10			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	36.58	29.39	5.83	9.80			
SULFUR DIOXIDE (1,000 TONS)	77.10	32.25	3.32	251.85			
NITROGEN OXIDES (1,000 TONS)	13.99	5.12	.51	43.41	.70		
STACKS: - TOTAL NO.	5	3	2	3	1		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	90.00 182.00	247.00	165.00	538.00	140.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	129.30	72.90		386.00			
SOLD (1,000 TONS)[11]	68.00			2.50			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]				2,675.00			
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)				2,211.00	16.70		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	123.80	24.40		353.00			
REVENUES FROM SALE OF ASH ($1,000)	12.70			1.00			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	123.80	24.40		353.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)	12.70			1.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MUSKINGUM RIVER	OHIO RIVER	NATIONAL QUARRY	OHIO RIVER	WELLS		
AVERAGE RATE OF WITHDRAWAL (CFS)	789.10	401.00	385.00	1,740.00	1.15		
AVERAGE RATE OF DISCHARGE (CFS)	781.40	401.00	385.00	1,740.00	.22		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.79 7.70	3.45		14.96	.93		
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	JUL APR	JUL JAN		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 42.00	84.00 43.00	86.00 60.00	82.00 62.00			
AT OUTFALL, SUMMER - WINTER	84.00 45.00	96.00 53.50	98.00 73.00	94.30 74.40	88.00 83.00		
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	5,527.00	21,150.00					
- WINTER	5,527.00	47,200.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]				C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.00						
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.50	4.32			.15		
LIME (TONS), COOLING WATER - BOILER MAKEUP							
ALUM (TONS), COOLING WATER - BOILER MAKEUP					.30		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	31.00	5.70 .30		120.00	1.31		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	ND YES	YES	ND YES	YES YES	YES ND		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT		PS	ST	ST		
RECEIVING WATER BODY[19]	MUSKINGUM RIVER			OHIO RIVER			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.00	8.50	7.80 7.80	7.40			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	30.00	20.00					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	68,000.00		144.65				
- ASH SETTLING	165,000.00	4,900.00	2,000.00	265.83			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 444.00	2 222.20		5 1,086.30			
ONCE THROUGH COOLING (SALINE)							
COOLING PONDS			5 37.50				
COOLING TOWERS					1 73.50		
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1957	1945 1948	1938 1950	1955	1953		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.40 13.10	13.00	11.80	12.00	17.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	554.10	423.40	75.80	1,693.50	134.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	985.00	424.00		1,693.50			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)				2,880.00			
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)					740.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	31.70	11.40		153.00	15.20		
COST OF CHEMICAL ADDITIVES ($1,000)	3.00	.80		9.00	13.50		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	7.40	12.90		20.20			
COST OF CHEMICAL ADDITIVES ($1,000)	103.30	1.20	5.80	6.10			

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.		
4 NAME OF PLANT	BELLE ISLE	HORSESHOE LAKE	MUSTANG	OSAGE	RIVERBANK		
5 UTILITY-PLANT CODE	356500-0200	356500-0500	356500-0600	356500-0700	356500-0800		
6 STATE	OKLAHOMA	OKLAHOMA	OKLAHOMA	OKLAHOMA	OKLAHOMA		
7 COUNTY	OKLAHOMA	OKLAHOMA	CANADIAN	KAY	MUSKOGEE		
8 AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	184 11	184 11	184 11	185 11	186 11		
9 PLANT CAPACITY (MW)	55.00	916.23	509.30	40.00	195.00		
10 ANNUAL GENERATION (MWH) [3]	68,091	4,176,900	3,313,400	51,367	1,260,100		
11 PLANT HEAT RATE (BTU/KWH) [3]	17,883	10,553	10,519	16,357	10,472		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			.97	.10			
13 AVERAGE HEAT CONTENT (BTU/LB)			12,971	11,200			
14 AVERAGE SULFUR CONTENT (%)			1.30	2.10			
15 AVERAGE ASH CONTENT (%)			10.00	11.00			
16 AVERAGE MOISTURE CONTENT (%)			10.50	9.10			
17 OIL: CONSUMPTION (1,000 BARRELS)		1.62	.13		1.75		
18 AVERAGE HEAT CONTENT (BTU/GAL)		146,328	132,605		152,045		
19 AVERAGE SULFUR CONTENT (%)		.20			.20		
20 GAS: CONSUMPTION (1,000 MCF)	1,154.30	42,494.00	33,584.80	794.30	12,714.30		
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,055	1,037	1,037	1,055	1,037		

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	9	4	3	7		
23 - NO. OF WET BOTTOM		1	2	2			
24 - NO. WITH FLY ASH REINJECTION							
25 - NO. WITH MECHANICAL PRECIPITATORS							
26 - NO. WITH ELECTROSTATIC PRECIPITATORS							
27 - NO. WITH COMBINATION PRECIPITATORS [4]							
28 - NO. WITH DESULFURIZATION SYSTEMS							
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	10.00 7.00 16.00	7.00 16.00	7.00 15.00	7.00 20.00			
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
31 TESTED, LOW - HIGH							
32 ESTIMATED, LOW - HIGH							
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							
34 TESTED, LOW - HIGH							
35 EST., LOW - HIGH							
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37 TESTED, LOW - HIGH							
38 ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)			.06	.01			
40 SULFUR DIOXIDE (1,000 TONS)			.02				
41 NITROGEN OXIDES (1,000 TONS)	.20	8.29	6.56	.16	2.48		
42 STACKS: - TOTAL NO.	1	8	4	2	3		
43 - HEIGHT (FEET), LOWEST - HIGHEST [8]	275.50	168.00 189.00	167.00 250.00	154.00	176.00 268.00		
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45 TOTAL ASH: COLLECTED (1,000 TONS) [10]							
46 SOLD (1,000 TONS) [11]							
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
51 ELECTROSTATIC PRECIPITATORS ($1,000)							
52 COMBINATION PRECIPITATORS ($1,000) [4]							
53 DESULFURIZATION SYSTEMS ($1,000)							
54 STACKS ($1,000)	18.00	332.20	277.50	24.30	187.10		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							
56 REVENUES FROM SALE OF ASH ($1,000)							
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]							
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	LOCAL RUNOFF/WELL	NORTH CANADIAN R.	CITY WATER	ARKANSAS RIVER	ARKANSAS RIVER		
62 AVERAGE RATE OF WITHDRAWAL (CFS)	.48	10.10	8.37	5.87	176.40		
63 AVERAGE RATE OF DISCHARGE (CFS)		3.40	2.23	5.87	176.40		
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.48	6.70	6.14	.05	1.52		
65 PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL JAN	JUL JAN	JUL JAN	JUL JAN	JUL JAN		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER				94.00 50.00	87.00 44.00		
67 AT OUTFALL, SUMMER - WINTER		104.00 77.00	92.00 77.00	109.00 56.00	110.00 66.00		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					24,000.00		
69 - WINTER					34,580.00		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	C	C	C		
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.65					
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		120.62	8.00		10.25		
73 LIME (TONS), COOLING WATER - BOILER MAKEUP							
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]		18.63	1.58				
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	NO YES	YES YES	NO	YES		
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	OT/SW		
78 RECEIVING WATER BODY [19]					ARKANSAS RIVER		
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82 - ASH SETTLING							

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)				2 40.00	3 195.00		
84 ONCE THROUGH COOLING (SALINE)							
85 COOLING POND(S)							
86 COOLING TOWER(S)		1 442.80	4 509.30				
87 COMBINATIONS [21]	2 55.00	3 473.43					
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1930	1924 1969	1950 1959	1929 1948	1924 1956		
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00	13.00 19.00	15.50 22.50	12.30 15.80	12.00 20.20		
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	141.20	1,314.80	583.60	91.00	252.60		
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				91.00	258.70		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)				69.50	1,007.70		
93 COOLING PONDS ($1,000)	179.40	2,117.00					
94 COOLING TOWERS ($1,000)	66.40	1,926.00	4,125.60				

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)		3.90	57.00				
96 COST OF CHEMICAL ADDITIVES ($1,000)		38.10	37.20				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)		11.60	3.00		1.50		
98 COST OF CHEMICAL ADDITIVES ($1,000)		13.50	2.50		1.00		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	OMAHA PUBLIC POWER DIST.		OMAHA PUBLIC POWER DIST.		ORANGE & ROCKLAND UTIL. INC.		ORLANDO UTILITIES COMM.		ORLANDO UTILITIES COMM.	
2											
3											
4	NAME OF PLANT	JONES ST		N. OMAHA		LOVETT		INDIAN RIVER		LAKE HIGHLAND	
5	UTILITY-PLANT CODE	357000-0100		357000-3200		359000-0200		361000-0100		361000-0200	
6	STATE	NEBRASKA		NEBRASKA		NEW YORK		FLORIDA		FLORIDA	
7	COUNTY	DOUGLAS		DOUGLAS		ROCKLAND		BREVARD		ORANGE	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	G85	10	G85	10	C43	C2	C48	C3	C48	C3
9	PLANT CAPACITY (MW)		173.50		644.70		400.05		258.50		96.00
10	ANNUAL GENERATION (MWH)[3]		38,140		3,010,700		2,235,200		1,264,200		197,233
11	PLANT HEAT RATE (BTU/KWH)[3]		19,869		10,028		10,882		10,521		14,165
	AIR QUALITY CONTROL DATA										
	FUEL CONSUMPTION DATA (ANNUAL)										
12	COAL: CONSUMPTION (1,000 TONS)		16.74		581.30		367.16				
13	AVERAGE HEAT CONTENT (BTU/LB)		12,131		12,094		13,361				
14	AVERAGE SULFUR CONTENT (%)		3.18		2.92		1.68				
15	AVERAGE ASH CONTENT (%)		10.63		10.94		8.75				
16	AVERAGE MOISTURE CONTENT (%)		7.70		8.24		3.58				
17	OIL: CONSUMPTION (1,000 BARRELS)						471.81		448.86		77.17
18	AVERAGE HEAT CONTENT (BTU/GAL)						148,513		150,599		150,610
19	AVERAGE SULFUR CONTENT (%)						1.70		1.60		1.60
20	GAS: CONSUMPTION (1,000 MCF)		366.96		16,619.70		11,128.77		10,162.37		2,279.66
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,007		1,007		1,039		1,029		1,028
	PLANT EQUIPMENT DATA										
22	BOILERS: - TOTAL NO.		5		5		5		2		4
23	- NO. OF WET BOTTOM										
24	- NO. WITH FLY ASH REINJECTION										
25	- NO. WITH MECHANICAL PRECIPITATORS		3				3				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS				2		2				
27	- NO. WITH COMBINATION PRECIPITATORS[4]				3						
28	- NO. WITH DESULFURIZATION SYSTEMS										
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	25.00	40.00	20.00	25.00	20.00	25.00	8.75	12.00	14.00	26.40
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00				85.00				
31	TESTED, LOW - HIGH										
32	ESTIMATED, LOW - HIGH		85.00				85.00				
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			96.00	98.00		98.00				
34	TESTED, LOW - HIGH			95.60	96.10						
35	EST., LOW - HIGH			96.00	98.80		92.00				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH										
37	TESTED, LOW - HIGH										
38	ESTIMATED, LOW - HIGH										
	PLANT OPERATING DATA AND COST OF EQUIPMENT										
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.61		1.68		2.36		.08		.01
40	SULFUR DIOXIDE (1,000 TONS)		1.04		33.27		14.78		2.41		.41
41	NITROGEN OXIDES (1,000 TONS)		.20		8.36		6.59		2.97		.61
42	STACKS: - TOTAL NO.		5		5		5		1		4
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	147.00	250.00		200.00	175.00	235.00		300.00		101.50
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]								.04		
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		1.51		61.80		41.04				
46	SOLD (1,000 TONS)[11]										
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)										
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]										
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)										
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		148.50				139.12				
51	ELECTROSTATIC PRECIPITATORS ($1,000)				647.00		634.92				
52	COMBINATION PRECIPITATORS ($1,000)[4]				776.00						
53	DESULFURIZATION SYSTEMS ($1,000)										
54	STACKS ($1,000)		210.90		494.90		267.78		140.00		1,060.00
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		23.90		63.60		57.03				
56	REVENUES FROM SALE OF ASH ($1,000)										
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)										
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)										
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		23.90		63.60		60.44				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)										
	WATER QUALITY CONTROL DATA										
61	COOLING WATER: SOURCE	[illegible] RIVER		[illegible] RIVER		HUDSON RIVER		INDIAN RIVER		SPRINGS/CANAL	
62	AVERAGE RATE OF WITHDRAWAL (CFS)		16.00		608.70		735.00		520.00		106.20
63	AVERAGE RATE OF DISCHARGE (CFS)		16.00		608.70		735.00		520.00		106.20
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.14		5.23		6.32		4.47	.91		
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	AUG	MAR
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.80	43.40	86.80	43.40	79.00	42.70	86.00	65.00	90.00	71.00
67	AT OUTFALL, SUMMER - WINTER	103.40	58.90	103.40	58.90	96.00	58.70	95.00	73.00	108.00	94.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		44,940.00		44,940.00		35,700.00				
69	- WINTER		22,000.00		22,000.00		35,700.00				
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C[16]	C		C		H					
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP				.62		.80		.04		2.21
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP				50.72		.18				.07
73	LIME (TONS), COOLING WATER - BOILER MAKEUP								7.91		4.00
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP										.50
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP						1.50		34.16	16.00	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES	YES	YES	YES	YES	YES		YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS		PS		OT		ST		PS	
78	[19] RECEIVING WATER BODY					HUDSON RIVER					
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING				9.00	10.00	6.70				
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				50.00	100.00	12.00				
81	VOLUME (1,000 CU-FT/YR), BOILER BLOWDOWN					424.80					
82	- ASH SETTLING					56,733.70					
	COOLING FACILITY DATA										
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	[illegible]	173.50	[illegible]	644.70						103.15
84	ONCE THROUGH COOLING (SALINE)					5	481.82	2	258.50		
85	COOLING POND(S)										
86	COOLING TOWER(S)										
87	COMBINATIONS[21]										
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1917	1951	1954	1968	1949	1969	1960	1964	1949	1956
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00	15.40	16.00	17.50	12.00	15.50	9.58	10.88	15.00	15.70
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		412.30		797.80		705.00		543.00		180.50
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		412.30		841.30		734.00		543.00		180.50
	CAPITAL COSTS OF COOLING FACILITIES										
92	ONCE THROUGH COOLING SYSTEMS ($1,000)		1,723.00		4,595.40		2,425.18		1,680.00		2,250.00
93	COOLING PONDS ($1,000)										
94	COOLING TOWERS ($1,000)		88.80								
	ANNUAL COOLING WATER EXPENSES										
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		9.31		47.03				14.00		44.50
96	COST OF CHEMICAL ADDITIVES ($1,000)		.81		1.95		.35		8.97		1.80
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES										
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		11.56		15.14		35.07		57.50		2.50
98	COST OF CHEMICAL ADDITIVES ($1,000)		6.01		17.50		1.06		1.27		2.10

** ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	DTTER TAIL POWER CO.	DWENSBORD MUNICIPAL UTIL.	DWENSBORC MUNICIRAL UTIL.	RACIFIC GAS & ELECTRIC CO.	RACIFIC GAS & ELECTRIC CC.		
NAME OF PLANT	HDOT LAKE	SMITH	DWENSEORD #1	AVDN	CONTRA COSTA		
UTILITY-RLANT CCDE	36559C-14C0	367C0C-0100	367C0C-0200	37C0C0-0300	370CCC-14CC		
STATE	MINNESCTA	KENTUCKY	KENTUCKY	CALIFORNIA	CALIFERNIA		
COUNTY	CTTER TAIL	DAVIESS	DAVIESS	CONTRA COSTA	CONTRA COSTA		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESDURCE REGION NO. [2]	132 09	077 05	077 05	030 18	030 18		
RLANT CAPACITY (MW) [3]	136.90	151.00	52.50	40.00	1,276.10		
ANNUAL GENERATION (MWH) [3]	741,200	915,7CO	1C7,9CC	321,666	2,275,2CC		
PLANT HEAT RATE (BTU/KWH) [3]	11,883	1C,281	14,7C1	12,C96	12,063		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	620.90	477.1C	73.7C				
AVERAGE HEAT CONTENT (BTU/LB)	7,081	11,093	11,1C6				
AVERAGE SULFUR CONTENT (%)	.75	3.23	3.26				
AVERAGE ASH CONTENT (%)	6.32	1C.42	1C.39				
AVERAGE MOISTURE CONTENT (%)	34.61	11.49	11.43				
OIL: CONSUMPTION (1,000 BARRELS)	1.18			752.12	236.94		
AVERAGE HEAT CONTENT (BTU/GAL)	140,000			155,024	152,44C		
AVERAGE SULFUR CONTENT (%)	.35			1.53	.95		
GAS: CONSUMRTION (1,000 MCF)				718.62	24,481.17		
AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,C58	1,058		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	1	4	3	1C		
- NO. OF WET BOTTOM		1					
- NO. WITH FLY ASH REINJECTION		1					
- NO. WITH MECHANICAL RRECIPITATORS	3						
- NO. WITH ELECTROSTATIC PRECIRITATORS		1					
- NO. WITH COMBINATION RRECIPITATORS [4]			4				
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	17.00 40.C0	16.C0	20.00 22.00	1C.C0	5.10 15.00		
MECHANICAL PRECIRITATOR EFFICIENCY : DESIGN, LOW - HIGH	72.00 85.00						
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH	60.00 70.CC						
ELECTROSTATIC/COMBINATION RRECIPITATOR EFFICIENCY [6]: OESIGN, LOW - HIGH		97.C0	98.00 98.50				
TESTED, LOW - HIGH		97.40					
EST., LOW - HIGH		97.C0	7D.00 9C.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL RLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	1C.02	.17	1.33	.13	.C4		
SULFUR DIDXIDE (1,DCO TONS)	9.13	3C.2C	4.71	3.86	.76		
NITROGEN OXIDES (1,CDC TONS)	5.56	13.12	.66	1.8C	5.3C		
STACKS: - TDTAL NO.	2	1	2	3	c		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	133.00 225.C0	3C0.00	152.00	200.00	200.00 450.CC		
COMBUSTION CYCLE ADDITIVES (1,00D TCNS) [9]							
TOTAL ASH: COLLECTED (1,000 TDNS) [10]	31.10	5C.C0	7.60				
SOLD (1,C00 TONS) [11]	.99						
TOTAL SULFUR: ELEMENTAL CDLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,DCO TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	142.70						
ELECTROSTATIC PRECIPITATORS ($1,000)		61C.00					
COMBINATION PRECIPITATORS ($1,000) [4]			149.00				
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	133.70		1C3.10	558.00	4,928.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	17.40	29.00	35.00				
REVENUES FROM SALE OF ASH ($1,000)	6.80						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	17.40	39.00	35.00				
TOTAL BYPRODUCT SALES REVENUES ($1,000)	6.80						

WATER QUALITY CONTROL DATA

	OTTER TAIL RIVER	OHIO RIVER	OHIO RIVER	SUISUN BAY	SAN JOAQUIN RIVER		
COOLING WATER: SOURCE							
AVERAGE RATE OF WITHORAWAL (CFS)	90.54	162.8C	77.90	.72	1,526.00		
AVERAGE RATE OF DISCHARGE (CFS)	9C.54	162.80	77.90	.11	1,526.CO		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.04	1.40	.67	.61	13.12		
SUMMER - WINTER [15]					AUG CEC		
REAK LOAD MONTH :	AUG DEC	JUL DEC	JUL DEC		76.00 51.00		
MAX. TEMP. OURING REAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	80.00 36.00	85.00 48.00	85.00 48.00		92.00 67.00		
AT OUTFALL, SUMMER - WINTER	103.00 89.00	100.00 65.00	103.00 59.00		125,000.00		
AVE. FLOW IN RECEIVING BODY OURING REAK MONTH (CFS): SUMMER	180.40	75,000.00	75,000.00		125,CCC.CC		
- WINTER	133.40	80,000.00	80,000.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	H	H				
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUR	.81 .11	.10	.03	6.5C	1.25		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUR	29.60	.4C	.03	3.DC	1.0C		
LIME (TONS), COOLING WATER - BOILER MAKEUR				137.5C	7.5C		
ALUM (TONS), COOLING WATER - BOILER MAKEUR							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUR	.60	6.00			27.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	NO YES	NO YES	NO NO	NO YES		
SEWAGE DISROSAL: METHOD PS, ST, SW, OT [18]	ST	ST	PS	ST	ST		
RECEIVING WATER BODY [19]							
ROND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.80	10.00 7.00					
SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING	150.00	25.00 1C.CC					
VOLUME (1,CCO CUFT/YR), BOILER BLOWDOWN	4,720.00	371.00					
- ASH SETTLING		8,67C.00					

COOLING FACILITY DATA

NO. OF UNITS AND CARACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		1 151.CC	4 52.5C		7 1,276.0C		
ONCE THROUGH COOLING (SALINE)							
COOLING RONDS(S)				1 4C.CC			
COOLING TDWER(S)							
COMBINATIONS [21]	3 136.9D						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1964	1963	1939 1954	194C	1951 1964		
DESIGN: TEMR. RISE ACROSS CONCENSERS (DEG. F), SMALLEST - LARGEST [22]	12.00 22.00	20.CC	15.00	15.0C	16.00 25.0C		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	179.80	181.CC	93.9C	43.6C	1,434.2C		
TOTAL RATE OF WITHORAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	18C.CO	185.CC	12C.CC		1,434.2C		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,CCC)	911.CO	768.CO	296.0C		3,391.CC		
COOLING RONDS ($1,CCC)							
COOLING TOWERS ($1,CCC)	542.CO			16C.9C			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXRENSES ($1,000)	1.11	1C.CC	1C.CC				
COST OF CHEMICAL ADDITIVES ($1,000)	.99				2.8C		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,CCC)	14.99	12.CC	1C.0C				
COST OF CHEMICAL ADDITIVES ($1,000)	5.65	1.CC		4.4C	1.5C		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.		1
2								2
3								3
4	NAME OF PLANT	HUMBOLDT BAY	HUNTERS POINT	KERN	MARTINEZ	MORRO BAY		4
5	UTILITY-PLANT CODE	370000-3100	370000-3200	370000-3600	3700CC-4100	370000-4400		5
6	STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA		6
7	COUNTY	HUMBOLDT	SAN FRANCISCO	KERN	CONTRA COSTA	SAN LUIS OBISPO		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	026 18	030 18	031 18	03G 18	032 18		8
9	PLANT CAPACITY (MW)	162.40	406.40	165.50	40.00	1,056.30		9
10	ANNUAL GENERATION (MWH) [3]	232,000	1,759,600	1,593	335,374	3,045,200		10
11	PLANT HEAT RATE (BTU/KWH) [3]	13,887	11,693		11,297	9,769		11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)							12
13	AVERAGE HEAT CONTENT (BTU/LB)							13
14	AVERAGE SULFUR CONTENT (%)							14
15	AVERAGE ASH CONTENT (%)							15
16	AVERAGE MOISTURE CONTENT (%)							16
17	OIL: CONSUMPTION (1,000 BARRELS)	32.28	223.66		559.80	264.57		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	152,300	154,674		156,028	154,576		18
19	AVERAGE SULFUR CONTENT (%)	1.10	.89		1.23	1.33		19
20	GAS: CONSUMPTION (1,000 MCF)	2,918.50	17,978.94	66.29	2,781.06	25,880.98		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,035	1,064	1,091	1,059	1,083		21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	3	7	4	3	4		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS [4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	11.50 15.00	15.00	10.00	10.00 15.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFUPIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.01	.04		.09	.04		39
40	SULFUR DIOXIDE (1,000 TONS)	.12	.67		2.31	1.18		40
41	NITROGEN OXIDES (1,000 TONS)	.64	4.00	.01	1.78	5.63		41
42	STACKS: - TOTAL NO.	3	5	4	3	3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	120.00 250.00	150.00 250.00	140.00	200.00	450.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]							45
46	SOLD (1,000 TONS) [11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000) [4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	498.00	1,597.00	684.00	162.00	4,108.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]							59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	HUMBOLDT BAY	SAN FRANCISCO BAY	WELL	SUISUN BAY	MORRO BAY		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	224.00	582.00		.72	1,118.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	224.00	582.00		.11	1,118.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.93	5.01		.61	9.61		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC			AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	54.00 52.00	64.00 58.00			57.00 57.00		66
67	AT OUTFALL, SUMMER - WINTER	69.00 67.00	74.00 68.00			68.00 68.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER							68
69	- WINTER							69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]			C				70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.12	1.28	.03	4.50	1.05		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.13	.22 1.23	.05	11.00	.50		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				125.00			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		59.00	.50		.60		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO YES	YES YES	YES YES	NO NO	NO YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	PS	ST	ST	ST		77
78	RECEIVING WATER BODY [19]							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)							83
84	ONCE THROUGH COOLING (SALINE)	3 162.40	4 406.50			4 1,056.20		84
85	COOLING POND(S)							85
86	COOLING TOWER(S)			2 165.50	1 40.00			86
87	COMBINATIONS [21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1955 1961	1928 1959	1947 1948	1941	1955 1963		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00 22.90	15.50		15.00	14.50 18.10		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	224.00	709.00	179.00	43.60	1,118.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	224.00	582.00			1,120.00		91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,539.00	2,365.00			5,586.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)			1,114.00	165.00			94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)							95
96	COST OF CHEMICAL ADDITIVES ($1,000)			.10				96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)							97
98	COST OF CHEMICAL ADDITIVES ($1,000)	.10	6.50		4.40	4.60		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	PACIFIC GAS & ELECTRIC CO.		PACIFIC GAS & ELECTRIC CO.		PACIFIC GAS & ELECTRIC CO.		PACIFIC GAS & ELECTRIC CO.		PACIFIC GAS & ELECTRIC CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	MOSS LANDING		OLEUM		PITTSBURG		PETRERO		THE GEYSERS		4
5	UTILITY-PLANT CODE	5	370000-4500		370000-4900		370000-5700		370000-5900		370000-7200		5
6	STATE	6	CALIFORNIA		CALIFORNIA		CALIFORNIA		CALIFORNIA		CALIFORNIA		6
7	COUNTY	7	MONTEREY		CONTRA COSTA		CONTRA COSTA		SAN FRANCISCO		SONOMA		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	025 18		030 18		030 18		030 18		030 18		8
9	PLANT CAPACITY (MW)	9	2,174.70		80.00		1,277.80		317.90		84.20		9
10	ANNUAL GENERATION (MWH) [3]	10	7,538,900		301,361		3,656,300		1,590,500		614,710		10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	9,333		10,833		10,336		10,557				11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12											12
13	AVERAGE HEAT CONTENT (BTU/LB)	13											13
14	AVERAGE SULFUR CONTENT (%)	14											14
15	AVERAGE ASH CONTENT (%)	15											15
16	AVERAGE MOISTURE CONTENT (%)	16											16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	437.61		847.48		383.50		153.74				17
18	AVEPAGE HEAT CONTENT (BTU/GAL)	18	153,817		157,130		154,573		154,331				18
19	AVERAGE SULFUR CONTENT (%)	19	1.48		1.21		1.33		.90				19
20	GAS: CONSUMPTION (1,000 MCF)	20	61,894.94		688.63		32,970.11		15,444.66				20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,091		1,061		1,072		1,064				21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22	10		6		6		4				22
23	- NO. OF WET BOTTOM	23											23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25											25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26											26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27											27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	7.00 11.00		10.00		8.00 12.00		8.00 15.00				29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30											30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32											32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33											33
34	TESTED, LOW - HIGH	34											34
35	EST., LOW - HIGH	35											35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	.07		.14		.06		.03				39
40	SULFUR OIOXIDE (1,000 TONS)	40	2.17		3.44		1.71		.46				40
41	NITROGEN OXIDES (1,000 TONS)	41	13.03		2.00		7.27		3.35				41
42	STACKS: - TOTAL NO.	42	10		6		6		2				42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	224.50 500.00		250.00		212.00 450.00		200.00 300.00				43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45											45
46	SOLD (1,000 TONS) [11]	46											46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	OVERALL COSTS: MECHANICAL PRECIPITATORS ($1,000)	50											50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51											51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52											52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	8,060.00		432.00		4,106.00		795.00				54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55											55
56	REVENUES FROM SALE OF ASH ($1,000)	56											56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	18.00										59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60											60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	MONTEREY BAY		SAN FRANCISCO BAY		SUISUN BAY		SAN FRANCISCO BAY		WELL		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	1,178.00		89.10		1,616.00		544.00				62
63	AVEPAGE RATE OF DISCHARGE (CFS)	63	1,178.00		89.10		1,616.00		544.00				63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	10.13		.77		13.90		4.68				64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	AUG OEC		AUG OEC		AUG OEC		AUG OEC				65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	64.00 58.00		68.00 54.00		75.00 55.00		62.00 61.00				66
67	AT OUTFALL, SUMMER - WINTER	67	74.00 68.00		80.00 66.00		100.00 80.00		77.00 76.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68					170,000.00						68
69	- WINTER	69					170,000.00						69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	70											70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.95		6.00		1.50		.95				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	1.10		10.00		1.46		3.65				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73	54.25				24.00						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74											74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	25.00				33.00		31.00				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	76	NO YES		NO NO		NO YES		NO YES				76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	ST		ST		PS		PS		ST		77
78	RECEIVING WATER BODY	78											78
79	POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING	79											79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80											80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81											81
82	- ASH SETTLING	82											82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83					6 1,278.00						83
84	ONCE THROUGH COOLING (SALINE)	84	7 2,174.70		2 80.00				3 317.90				84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86									4 84.20		86
87	COMBINATIONS [21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1950 1968		1941 1943		1954 1961		1931 1964		1959 1967		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	13.70 23.80		15.00		15.00 17.50		15.00		38.00 38.80		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	1,849.00		87.20		1,582.80		465.00		166.60		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	978.00		89.10		474.40		323.60				91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	12,913.00		449.00		3,342.00		1,683.00				92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94									1,533.00		94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95											95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96					3.40		3.20				96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97											97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	468.90		1.80		2.90		6.10				98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	PACIFIC POWER & LIGHT CO.	PACIFIC POWER & LIGHT CO.	PAINESVILLE ELECTRIC LT. DEPT	PASADENA LIGHT & POWER DEPT.	PASADENA LIGHT & POWER DEPT.	
NAME OF PLANT	JOHNSTON	LINCOLN	PAINESVILLE	BROADWAY	GLENARM	
UTILITY-PLANT CODE	3765CC-1200	376500-2300	371000-0100	3745CC-0100	374500-0200	
STATE	WYOMING	OREGON	OHIO	CALIFORNIA	CALIFORNIA	
COUNTY	CONVERSE	MULTNOMAH	LAKE	LOS ANGELES	LOS ANGELES	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	241 10	193 17	174 04	024 18	024 18	
PLANT CAPACITY (MW)	456.70	35.50	38.00	171.00	65.25	
ANNUAL GENERATION (MWH)[3]	2,189,000	4,000	105,050	647,700	28,000	
PLANT HEAT RATE (BTU/KWH)[3]	10,098		16,327	11,813	21,020	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,489.20		65.00			
AVERAGE HEAT CONTENT (BTU/LB)	7,714		12,125			
AVERAGE SULFUR CONTENT (%)	.51		2.66			
AVERAGE ASH CONTENT (%)	8.54		8.90			
AVERAGE MOISTURE CONTENT (%)	28.37		6.22			
OIL: CONSUMPTION (1,000 BARRELS)	3.80	74.90		299.00		
AVERAGE HEAT CONTENT (BTU/GAL)	146,000	150,450		150,500		
AVERAGE SULFUR CONTENT (%)	.30	1.27		.31		
GAS: CONSUMPTION (1,000 MCF)		1,458.00		4,970.00	565.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,042		1,060	1,060	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	7	4		3		4		
- NO. OF WET BOTTOM									
- NO. WITH FLY ASH REINJECTION			2						
- NO. WITH MECHANICAL PRECIPITATORS	3		2		3		4		
- NO. WITH ELECTROSTATIC PRECIPITATORS									
- NO. WITH COMBINATION PRECIPITATORS[4]									
- NO. WITH DESULFURIZATION SYSTEMS									
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	10.00 15.00	30.00 40.00	8.00	10.00	12.00	15.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	82.00 86.00		94.30	92.00	94.00		94.00		
TESTED, LOW - HIGH	82.40				37.00				
ESTIMATED, LOW - HIGH	70.00		94.30		50.00		50.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
EST., LOW - HIGH									
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	25.50	.01	1.62	.03				
SULFUR DIOXIDE (1,000 TONS)	14.89	.32	3.39	.31				
NITROGEN OXIDES (1,000 TONS)	13.41	.45	.49	1.63	.11			
STACKS: - TOTAL NO.	3	6	1	4	4			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00	69.00 88.00	250.00	120.00 140.00	81.00	86.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]								
TOTAL ASH: COLLECTED (1,000 TONS)[10]	105.90		5.80					
SOLD (1,000 TONS)[11]	7.30							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	344.00		120.00	221.00	140.00			
ELECTROSTATIC PRECIPITATORS ($1,000)								
COMBINATION PRECIPITATORS ($1,000)[4]								
DESULFURIZATION SYSTEMS ($1,000)								
STACKS ($1,000)	391.00	41.40	70.00	105.70	12.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	41.30		5.80					
REVENUES FROM SALE OF ASH ($1,000)	23.10							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	41.30		5.80					
TOTAL BYPRODUCT SALES REVENUES ($1,000)	23.10							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	NORTH PLATTE R.	WILLAMETTE RIVER	CITY WATER	CITY WATER	CITY WATER			
AVERAGE RATE OF WITHDRAWAL (CFS)	318.00	93.60	1.00	2.10	.11			
AVERAGE RATE OF DISCHARGE (CFS)	317.80	93.60		.50	.02			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.73 3.80	.80		1.68	.09			
PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP OEC	AUG NOV						
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	70.00 51.00	72.00 58.00						
AT OUTFALL, SUMMER - WINTER	89.00 83.00	76.00 64.00						
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2,028.00	10,200.00						
- WINTER	1,153.00	22,700.00						
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H		C	C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.11	2.65	.05	12.65 .59	2.00 .03			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.07	7.05	.01	4.08				
LIME (TONS), COOLING WATER - BOILER MAKEUP			3.50					
ALUM (TONS), COOLING WATER - BOILER MAKEUP				17.03	.97			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	12.00			YES YES	YES YES			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES YES					
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS		PS	PS			
RECEIVING WATER BODY[19]								
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.70		10.00					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00		1,000.00					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			400.00					
- ASH SETTLING	94,600.00							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 456.70	3 35.50						
ONCE THROUGH COOLING (SALINE)								
COOLING POND(S)								
COOLING TOWER(S)			4 35.50	3 171.00	2 65.25			
COMBINATIONS[21]								
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1959 1964	1919 1930	1954 1965	1954 1965	1948			
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	27.30 32.30	9.50 13.50	10.00	15.80 21.80	10.00			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	318.00	180.20	83.00	209.00	140.00			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	318.00	180.20						

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,232.00	322.00						
COOLING PONDS ($1,000)				662.00	161.00			
COOLING TOWERS ($1,000)								

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	47.20	16.94		13.00	4.00			
COST OF CHEMICAL ADDITIVES ($1,000)	5.20		4.00	13.20	1.30			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	19.50	5.04	3.00	32.00	2.00			
COST OF CHEMICAL ADDITIVES ($1,000)	11.10	6.07	4.00	6.80	.39			

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.		
NAME OF PLANT	FRONT ST.	HOMER CITY	KEYSTONE	SAXTON	SEWARD		
UTILITY-PLANT CODE	3795OC-C30C	3795CC-0350	3795CC-0400	3795CC-0800	3795CC-1CCC		
STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA		
COUNTY	ERIE	INDIANA	ARMSTRONG	BEDFORD	INDIANA		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	178 C4	197 C5	197 C5	195 C2	197 C5		
PLANT CAPACITY (MW)	119.00	1,320.00	1,872.00	40.00	268.00		
ANNUAL GENERATION (MWH)[3]	576,300	7C3,6CC	8,403,400	111,000	1,409,200		
PLANT HEAT RATE (BTU/KWH)[3]	13,295	10,449	9,652	27,691	10,002		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	350.90	327.70	3,344.90	121.00	601.70		
AVERAGE HEAT CONTENT (BTU/LB)	12,088	11,394	11,956	12,706	12,355		
AVERAGE SULFUR CONTENT (%)	3.98	2.47	2.19	3.02	3.15		
AVERAGE ASH CONTENT (%)	13.76	21.25	16.88	13.71	16.29		
AVERAGE MOISTURE CONTENT (%)	4.20	3.79	3.86	3.79	3.58		
OIL: CONSUMPTION (1,000 BARRELS)	10.20	56.10	102.50		61.99		
AVERAGE HEAT CONTENT (BTU/GAL)	138,800	138,800	128,181		138,800		
AVERAGE SULFUR CONTENT (%)	.20	.20	.20		.20		
GAS: CONSUMPTION (1,000 MCF)							
AVERAGE HEAT CONTENT (BTU/CU.FT.)							

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	2	2	7	4		
- NO. OF WET BOTTOM			2				
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS	4	2	2				
- NO. WITH COMBINATION PRECIPITATORS[4]					3		
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00 15.50	20.00	20.00		22.00 30.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		99.50	99.50		99.30		
TESTED, LOW - HIGH					97.80 98.40		
EST., LOW - HIGH	80.00 90.00	94.50	99.50		97.80 98.40		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	5.20	3.26	1.84	8.99	1.60		
SULFUR DIOXIDE (1,000 TONS)	27.38	15.90	143.65	5.97	37.19		
NITROGEN OXIDES (1,000 TONS)	3.18	3.07	50.40	.76	5.55		
STACKS: - TOTAL NO.	2	2	2	4	3		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	135.00 200.00	800.00	801.00	125.00	163.00 232.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	33.30	64.40	597.20	17.22	106.10		
SOLD (1,000 TONS)[11]	33.30						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)	431.20	1,882.00	4,531.00				
COMBINATION PRECIPITATORS ($1,000)[4]					1,461.00		
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	51.88	2,372.00	2,622.00	21.30	221.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	65.35	14.77	1,948.00	21.00	107.90		
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	65.35	19.10	1,980.00	21.00	301.80		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE ERIE	TWO LICK CREEK	CROOKED CREEK	RSTN BR JUNIATA R	CONEMAUGH RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	223.00	15.60	30.50	135.90	480.00		
AVERAGE RATE OF DISCHARGE (CFS)	223.00	6.70	12.30	135.90	480.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.92	8.90	18.20		4.13		
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	SEP OEC	SER OEC	SEP DEC	SEP DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00 44.50			78.00 54.00	78.00 46.00		
AT OUTFALL, SUMMER - WINTER				84.00 70.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			56.00	427.00	383.00		
- WINTER			39.00	545.00	1,225.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H			H	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.65			4.85	1.42		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		1,624.72	418.24 432.13	2.20			
LIME (TONS), COOLING WATER - BOILER MAKEUP		823.29	1,093.78 25.00	3.23			
ALUM (TONS), COOLING WATER - BOILER MAKEUP	1.50	197.50	30.20		.15		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	3.00			.23	.15		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES	YES YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	ST	ST	ST		
RECEIVING WATER BODY[19]		TWO LICK CREEK					
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					4.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					27.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					57,092.25		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)	5 124.00				4 268.30		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)		2 1,320.00	2 1,872.00				
COMBINATIONS[21]				2 47.80			
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1927 1955	1969	1967 1968	1923 1926	1938 1950		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00	28.00	27.40	16.00	20.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	223.00	1,590.00	1,100.00	135.90	468.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	223.00			135.90	480.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	546.63				2,089.84		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)		4,954.00	12,278.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.50	176.24	266.00	5.00	20.00		
COST OF CHEMICAL ADDITIVES ($1,000)	.75	33.20	75.00	4.44			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.00	74.71	109.40	9.00	16.60		
COST OF CHEMICAL ADDITIVES ($1,000)	25.70	90.50	77.40	1.51	3.80		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	RENNSYLVANIA ELECTRIC CO.		RENNSYLVANIA ELECTRIC CO.		RENNSYLVANIA ELECTRIC CO.		RENNSYLVANIA ROWER & LIGHT CO.		PENNSYLVANIA ROWER & LIGHT CO.		1
2		2											2
3		3											3
4	NAME OF RLANT	4	SHAWVILLE		WARREN		WILLIAMSBURG		BRUNNER ISLAND		HOLTWOOO		4
5	UTILITY-PLANT COOE	5	379590-1100		379500-1200		379500-1400		380000-0200		380000-0700		5
6	STATE	6	RENNSYLVANIA		RENNSYLVANIA		RENNSYLVANIA		RENNSYLVANIA		RENNSYLVANIA		6
7	COUNTY	7	CLEARFIELO		WARREN		8LAIR		YORK		LANCASTER		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	178 02		178 05		195 02		196 02		196 02		8
9	RLANT CARACITY (MW)	9	625.00		73.00		39.00		1,558.73		96.00		9
10	ANNUAL GENERATION (MWH) [3]	10	4,601,200		441,400		174,300		6,134,500		701,300		10
11	RLANT HEAT RATE (8TU/KWH) [3]	11	9,887		13,108		16,138						11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMRTION (1,000 TONS)	12	1,761.10		236.50		116.30		2,277.00		497.00		12
13	AVERAGE HEAT CONTENT (8TU/L8)	13	12,726		12,226		12,096		12,564		10,120		13
14	AVERAGE SULFUR CONTENT (%)	14	3.07		5.49		2.05		2.34		.70		14
15	AVERAGE ASH CONTENT (%)	15	12.57		13.10		15.52		14.29		19.60		15
16	AVERAGE MOISTURE CONTENT (%)	16	4.61		4.47		5.05		4.37		14.78		16
17	OIL: CONSUMRTION (1,000 8ARRELS)	17	19.66		.62		1.00		70.94		1.95		17
18	AVERAGE HEAT CONTENT (8TU/GAL)	18	138,800		136,000		138,800		137,730		137,890		18
19	AVERAGE SULFUR CONTENT (%)	19	.10		.20		.20		.43		.32		19
20	GAS: CONSUMPTION (1,000 MCF)	20											20
21	AVERAGE HEAT CONTENT (8TU/CU.FT.)	21											21
	PLANT EQUIPMENT DATA												
22	8OILERS: - TOTAL NO.	22	4		4		7		3		4		22
23	- NO. OF WET 8OTTOM	23											23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL RRECIRITATORS	25											25
26	- NO. WITH ELECTROSTATIC RRECIRITATORS	26			4				3		3		26
27	- NO. WITH COMBINATION RRECIPITATORS [4]	27	4								1		27
28	- NO. WITH OESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USEO (%), LOWEST 8OILER - HIGHEST 8OILER [5]	29	15.00		15.00	15.00	25.00		20.00	20.00	40.00		29
30	MECHANICAL PRECIRITATOR EFFICIENCY : OESIGN, LOW - HIGH	30					78.00						30
31	TESTEO, LOW - HIGH	31											31
32	ESTIMATEO, LOW - HIGH	32					78.00				85.00		32
33	ELECTROSTATIC/COMBINATION RRECIPITATOR EFFICIENCY [6]: OESIGN, LOW - HIGH	33	98.00		94.00			98.00	99.50	83.00	95.00		33
34	TESTEO, LOW - HIGH	34							97.00		87.00		34
35	EST., LOW - HIGH	35	95.80	98.50	95.00				99.00				35
36	OESULFURIZATION SYSTEM EFFICIENCY : OESIGN, LOW - HIGH	36											36
37	TESTEO, LOW - HIGH	37											37
38	ESTIMATEO, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	4.91		1.32		5.36		6.73		11.19		39
40	SULFUR OIOXIOE (1,000 TONS)	40	105.98		25.44		4.67		104.53		6.82		40
41	NITROGEN OXIOES (1,000 TONS)	41	15.89		2.13		1.01		20.65		4.48		41
42	STACKS: - TOTAL NO.	42	3		1		3		2		4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	325.00 600.00		200.00	76.50	122.00	450.00	600.00	152.00	200.00		43
44	COMBUSTION CYCLE AOOITIVES (1,000 TONS) [9]	44											44
45	TOTAL ASH: COLLECTEO (1,000 TONS) [10]	45	213.10		30.33		12.77		320.10		81.10		45
46	SOLO (1,000 TONS) [11]	46											46
47	TOTAL SULFUR: ELEMENTAL COLLECTEO (1,000 TONS)	47											47
48	EQUIVALENT OF ACIO COLLECTEO (1,000 TONS) [12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACIO SOLO (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50					34.65						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51			204.76				3,578.00		216.00		51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52	2,156.00								1,035.00		52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	1,240.10		65.20		69.49		1,286.00		107.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	403.50		13.30		15.60		133.00		56.00		55
56	REVENUES FROM SALE OF ASH ($1,000)	56											56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	458.70		13.30		15.60		157.00		56.00		59
60	TOTAL 8YPROOUCT SALES REVENUES ($1,000)	60											60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	W. 8R. SUSQ. R.		ALLEGHENY RIVER		FKSTN 8 JUNIATA R		SUSQUEHANNA RIVER		SUSQUEHANNA RIVER		61
62	AVERAGE RATE OF WITHORAWAL (CFS)	62	697.40		100.00		69.00		713.00		187.00		62
63	AVERAGE RATE OF OISCHARGE (CFS)	63	697.40		100.00		69.00		706.00		187.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATEO - REPORTEO [14]	64			.86				6.13 7.00		1.61		64
65	REAK LOAO MONTH : SUMMER - WINTER [15]	65	SEP OEC		SER OEC		SEP OEC		AUG JAN		AUG JAN		65
66	MAX. TEMP. OURING PEAK MONTH (OEG. F.): AT OIVERSION, SUMMER - WINTER	66	64.00 36.00		73.00 41.00		75.00 35.00		87.00 40.00		80.00 47.00		66
67	AT OUTFALL, SUMMER - WINTER	67	100.00 64.00		91.50 65.50		95.00 60.00		119.00 93.00		104.00 73.00		67
68	AVE. FLOW IN RECEIVING 8OOY OURING PEAK MONTH (CFS): SUMMER	68	144.82		2,130.00		100.00		18,900.00		18,900.00		68
69	- WINTER	69	851.10		4,720.00		250.00		23,000.00		23,000.00		69
70	FREQUENCY OF TEMRERATURE MONITORING: C, H, O, O [16]	70	C		H		C		C		C		70
71	CHEMICAL AOOITIVES: PHOSPHATE (TONS), COOLING WATER - 8OILER MAKEUP	71	.89		.57		.67		.05		.83		71
72	CAUSTIC SOOA (TONS), COOLING WATER - 8OILER MAKEUR	72	850.00		.02		.54		782.77				72
73	LIME (TONS), COOLING WATER - 8OILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - 8OILER MAKEUP	74	15.71		2.02		1.31		77.70		1.03		74
75	CHLORINE (TONS), COOLING WATER - 8OILER MAKEUP [17]	75					1.35		7.00		6.14 .34		75
76	OTHER (YES/NO), COOLING WATER - 8OILER MAKEUP	76	YES YES		YES YES		YES		NO YES		YES		76
77	SEWAGE OISROSAL: METHOO RS, ST, SW, OT [18]	77	ST		ST		SW				OT		77
78	RECEIVING WATER 8OOY [19]	78					FKSTN 8 JUNIATA R				SUSQUEHANNA RIVER		78
79	RONO OISCHARGE: PH, 8OILER BLOWOOWN - ASH SETTLING	79			6.50								79
80	SUSPENOEO SOLIOS (RRM), 8OILER 8LOWOOWN - ASH SETTLING	80	15.00		5.00								80
81	VOLUME (1,000 CUFT/YR), 8OILER 8LOWOOWN	81							9,800.00		5.30		81
82	- ASH SETTLING	82	28,000.00		34,158.00		3,000.00		175,000.00		25,000.00		82
	COOLING FACILITY DATA												
83	NO. OF UNITS ANO CARACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83			2 80.00				3 1,558.73	3	96.00		83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING PONO(S)	85											85
86	COOLING TOWER(S)	86											86
87	COMBINATIONS [21]	87	4 628.00				3 39.50						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLOEST SYSTEM - NEWEST SYSTEM	88	1954 1959	1948	1949	1916	1944	1961	1969	1925	1954		88
89	OESIGN: TEMR. RISE ACROSS CONOENSERS (OEG. F), SMALLEST - LARGEST [22]	89	20.00		20.00	13.70	20.00	24.00	29.00	12.00	19.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONOENSERS (CFS)	90	688.40		131.00		69.00		1,159.00		224.00		90
91	TOTAL RATE OF WITHORAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	697.40		131.00		69.00		1,159.00		224.00		91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	2,228.70		442.90		205.10		1,755.00		489.00		92
93	COOLING RONOS ($1,000)	93					42.80						93
94	COOLING TOWERS ($1,000)	94	795.20										94
	ANNUAL COOLING WATER EXPENSES												
95	ORERATION ANO MAINTENANCE EXRENSES ($1,000)	95	75.00		6.75				22.50		19.00		95
96	COST OF CHEMICAL AOOITIVES ($1,000)	96	3.00		1.70		135.00		9.00		.90		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	ORERATION ANO MAINTENANCE EXRENSES ($1,000)	97	78.00		11.00				34.50		24.00		97
98	COST OF CHEMICAL AOOITIVES ($1,000)	98	58.00		1.18		2.86		95.00		.60		98

99 ALL FOOTNOTES ARE SHOWN AT THE ENO OF THIS TA8LE

NAME OF UTILITY	PENNSYLVANIA POWER & LIGHT CO.	PENNSYLVANIA POWER & LIGHT CO.	PENNSYLVANIA POWER & LIGHT CO.	PENNSYLVANIA POWER CO.	PHILADELPHIA ELECTRIC CO.	
NAME OF PLANT	MARTINS CREEK	STANTON	SUNBURY	NEW CASTLE	BARBADOES	
UTILITY-PLANT CODE	38000-0800	38000-0900	38000-1000	38650-0100	38400-0100	
STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	
COUNTY	NORTHAMPTON	LUZERNE	SNYDER	LAWRENCE	MONTGOMERY	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	151 C2	151 02	195 02	178 05	045 02	
PLANT CAPACITY (MW)	312.50	146.00	409.78	425.80	155.00	
ANNUAL GENERATION (MWH)[3]	1,940,900	518,400	2,775,200	2,068,900	802,700	
PLANT HEAT RATE (BTU/KWH)[3]			11,903	11,381	12,463	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	853.00	392.00	1,376.00	1,062.00	213.00	
AVERAGE HEAT CONTENT (BTU/LB)	12,754	10,506	11,917	11,083	13,276	
AVERAGE SULFUR CONTENT (%)	3.35	1.97	2.92	3.38	2.45	
AVERAGE ASH CONTENT (%)	13.26	17.98	14.47	18.48	7.74	
AVERAGE MOISTURE CONTENT (%)	3.99	12.23	8.64	6.28	4.59	
OIL: CONSUMPTION (1,000 BARRELS)	19.56	2.31	4.39		209.00	
AVERAGE HEAT CONTENT (BTU/GAL)	137,807	138,252	137,778		148,752	
AVERAGE SULFUR CONTENT (%)	.21	.12	.17		1.62	
GAS: CONSUMPTION (1,000 MCF)					3,116.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					978	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	9	6	5	6	
- NO. OF WET BOTTOM		1				
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS		8				
- NO. WITH ELECTROSTATIC PRECIPITATORS	2			5		
- NO. WITH COMBINATION PRECIPITATORS[4]		1	6		2	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 20.00 40.00	20.00 40.00		20.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH		30.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	90.00	95.00	96.00	95.00 98.00	96.00	
TESTED, LOW - HIGH			93.00		94.00	
EST., LOW - HIGH	85.00	85.00	91.00 93.00	95.00 98.00	90.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	14.42	19.92	13.49	4.70	7.03	
SULFUR OIOXIDE (1,000 TONS)	56.02	15.14	78.75	70.37	11.37	
NITROGEN OXIDES (1,000 TONS)	7.72	4.36	12.39	9.56	2.99	
STACKS: - TOTAL NO.	1	3	4	4	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00	170.00 171.00	300.00	231.00 232.00	330.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	99.00	83.20	169.90	195.10	12.00	
SOLD (1,000 TONS)[11]		28.90			1.70	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	1,926.00			1,511.00		
COMBINATION PRECIPITATORS ($1,000)[4]		636.00	3,572.30		600.00	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	232.00	29.30	337.00	156.00	244.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	66.00	67.00	166.00	64.00	10.40	
REVENUES FROM SALE OF ASH ($1,000)		9.00			.20	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	70.00	67.00	166.00	64.00	10.40	
TOTAL BYPRODUCT SALES REVENUES ($1,000)		9.00			.20	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	DELAWARE RIVER	SUSQUEHANNA RIVER	SUSQUEHANNA RIVER	BEAVER RIVER	SCHUYLKILL RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	251.36	346.00	448.50	441.00	127.00	
AVERAGE RATE OF DISCHARGE (CFS)	243.32	344.00	448.50	441.00	127.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	8.04 2.16	2.00 2.98	3.86	3.79	1.09	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	AUG JAN	AUG FEB	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 41.00	82.00 41.00	83.00 42.00	86.00 49.00	93.00 44.50	
AT OUTFALL, SUMMER - WINTER	105.00 67.00	87.00 50.00	98.00 68.00	101.00 64.00	114.00 68.50	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	10,900.00	4,300.00	11,150.00	958.00	2,558.00	
- WINTER	6,000.00	10,040.00	18,170.00	3,062.00	1,760.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C	C	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.09	2.41	1.00 .28	2.75		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.75	.01	.04	.35	.20	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP	2.05					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			12.00		48.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	ST	PS	ST	PS	
RECEIVING WATER BODY[19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.00			6.50	10.10 9.60	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	200.00			100.00	13.00 31.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	3,600.00	5,300.00	4,800.00		304.00	
- ASH SETTLING	63,000.00	52,500.00	88,300.00	61,500.00	9,600.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 312.50	3 140.00	4 409.78	5 425.08	3 155.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1956	1927 1953	1949 1953	1939 1964	1924 1949	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	27.00	13.00 18.00	20.00 23.00	12.50 16.70	15.00 23.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	266.00	335.00	458.40	629.00	267.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	266.00	134.00	458.40	629.00	267.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,247.00	1,328.00	2,600.00	1,308.00		
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	13.40	10.00	9.00	11.00	13.20	
COST OF CHEMICAL ADDITIVES ($1,000)			1.63	1.40	2.90	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	12.60	2.00	3.00	54.60	11.70	
COST OF CHEMICAL ADDITIVES ($1,000)	.60	.50	1.34	12.40	4.10	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.		
NAME OF PLANT	CHESTER	CROMBY	DELAWARE	EDDYSTONE	PEACH BOTTOM		
UTILITY-PLANT CODE	3840OC-0200	3840OO-0300	3840OC-0400	3840CO-0500	3840OC-0700		
STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA		
COUNTY	DELAWARE	CHESTER		DELAWARE	YORK		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	045 C2	045 C2	045 C2	045 C2	196 C2		
PLANT CAPACITY (MW)	256.00	417.50	439.25	707.20	46.00		
ANNUAL GENERATION (MWH)[3]	1,072,700	2,830,700	2,272,500	4,703,300	130,500		
PLANT HEAT RATE (BTU/KWH)[3]	14,263	9,581	11,551	8,852	10,951		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	50.00	707.00	196.00	1,567.00			
AVERAGE HEAT CONTENT (BTU/LB)	12,885	13,344	13,258	13,168			
AVERAGE SULFUR CONTENT (%)	1.80	2.36	2.37	2.27			
AVERAGE ASH CONTENT (%)	10.96	8.17	8.07	8.62			
AVERAGE MOISTURE CONTENT (%)	4.61	4.26	4.67	4.81			
OIL: CONSUMPTION (1,000 BARRELS)	2,023.00	1,322.00	3,001.00	58.00			
AVERAGE HEAT CONTENT (BTU/GAL)	148,331	148,408	148,656	146,867			
AVERAGE SULFUR CONTENT (%)	2.15	1.85	1.77	1.93			
GAS: CONSUMPTION (1,000 MCF)	1,446.00						
AVERAGE HEAT CONTENT (BTU/CU.FT.)	989						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	14	2	3	2			
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS	2						
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]		2	2	2			
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	15.00	15.00 20.00	15.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00						
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH	40.00						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		98.00	96.00	98.50			
TESTED, LOW - HIGH			96.00	99.30 99.40			
EST., LOW - HIGH		55.00 95.00	50.00 55.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.77	7.04	6.52	.74			
SULFUR DIOXIDE (1,000 TONS)	16.36	40.91	26.93	70.09			
NITROGEN OXIDES (1,000 TONS)	5.12	9.28	8.38	14.23			
STACKS: - TOTAL NO.	3	2	5	2			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	192.00 195.00	300.00	160.00 200.00	248.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	4.30	53.80	14.80	130.00			
SOLD (1,000 TONS)[11]		7.80		30.10			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	156.00						
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]		[illegible]	[illegible]	[illegible]			
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	122.00	368.00	173.00	236.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	10.60	59.10	28.70	49.60			
REVENUES FROM SALE OF ASH ($1,000)				4.80			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	10.60	59.10	28.70	49.60			
TOTAL BYPRODUCT SALES REVENUES ($1,000)				4.80			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	DELAWARE RIVER	SCHUYLKILL RIVER	DELAWARE RIVER	DELAWARE RIVER	SUSQUEHANNA RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	298.60	513.40	880.00	936.00	52.00		
AVERAGE RATE OF DISCHARGE (CFS)	298.60	513.10	880.00	936.00	52.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.57	4.42 .30	7.57	8.05	.45		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG DEC		JUL DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 46.00	86.00 47.00	85.00 41.00	81.00 46.00	84.00		
AT OUTFALL, SUMMER - WINTER	93.00 56.00	101.00 61.00	100.00 55.00	94.00 56.00	95.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	252,000.00	592.00	105,000.00	207,000.00	14,900.00		
- WINTER	252,000.00	2,421.00	105,000.00	207,000.00	31,100.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	H	H	H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.27	.55	7.85	.25			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.20				22.50		
LIME (TONS), COOLING WATER - BOILER MAKEUP							
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	80.51	71.00	148.20	251.00	5.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	PS	PS	OT		
RECEIVING WATER BODY[19]		SCHUYLKILL RIVER			SUSQUEHANNA RIVER		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.10	7.70	7.00	6.90			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		54.00	70.00	52.20			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	.70	7,730.00	1.13				
- ASH SETTLING	414.99			381,000.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 256.00	2 417.50	6 439.25	2 707.20	1 40.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1945	1954	1924 1953	1960	1966		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.00 12.00	14.00 17.00	11.00 18.00	12.00 14.00	11.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	962.00	490.00	424.00	890.00	92.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	962.00	490.00	423.00	890.00	104.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)							
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.60	33.10	173.00	10.30	2,267.95		
COST OF CHEMICAL ADDITIVES ($1,000)	6.40	5.70	12.00	21.50	489.84		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	32.70	25.80	41.00	36.60	3,572.81		
COST OF CHEMICAL ADDITIVES ($1,000)	.61	2.00	19.00	42.30	19.71		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	PHILADELPHIA ELECTRIC CO.		PHILADELPHIA ELECTRIC CO.		PHILADELPHIA ELECTRIC CO.		PIQUA MUNICIPAL POWER PLANT		PORTLAND GENERAL ELECTRIC CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	RICHMOND		SCHUYLKILL		SOUTHWARK		PIQUA		STATION L		4
5	UTILITY-PLANT CODE	5	384000-0900		384000-1000		384000-1100		387500-0100		393000-0200		5
6	STATE	6	PENNSYLVANIA		PENNSYLVANIA		PENNSYLVANIA		OHIO		OREGON		6
7	COUNTY	7	PHILADELPHIA		PHILA.		PHILA.		MIAMI		MULTNOMAH		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	045 02		045 02		045 02		173 05		193 17		8
9	PLANT CAPACITY (MW)	9	476.75		325.40		370.00		53.00		72.30		9
10	ANNUAL GENERATION (MWH) [3]	10	2,807,300		1,623,800		2,343,300		12,615				10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	12,868		11,486		12,412		16,438				11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12	86.00				301.00		93.41				12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	12,865				13,372		13,257				13
14	AVERAGE SULFUR CONTENT (%)	14	1.72				2.24		3.57				14
15	AVERAGE ASH CONTENT (%)	15	11.18				8.59		8.47				15
16	AVERAGE MOISTURE CONTENT (%)	16	4.43				4.18		1.98				16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	5,453.00		4,060.00		3,372.00		.13		.43		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	148,032		151,898		148,472		140,000		155,316		18
19	AVERAGE SULFUR CONTENT (%)	19	1.67		1.97		1.68		.75		1.29		19
20	GAS: CONSUMPTION (1,000 MCF)	20											20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21											21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22	5		7		4		6		7		22
23	- NO. OF WET BOTTOM	23	2										23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	4		3				3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	4		2								26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27					4						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	20.00 25.00		15.00		26.00		32.00 38.00		25.00 40.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	65.00 80.00	76.00	86.00				85.00 92.00				30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32		66.00	80.00				85.00 92.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33	80.00		90.00		99.30						33
34	TESTED, LOW - HIGH	34	94.00 97.00			98.10	98.90						34
35	EST., LOW - HIGH	35	50.00			91.40	92.70						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	6.45		.14		1.81		1.00				39
40	SULFUR DIOXIDE (1,000 TONS)	40	28.01		26.83		32.26		6.35				40
41	NITROGEN OXIDES (1,000 TONS)	41	10.55		8.95		10.15		.68				41
42	STACKS: - TOTAL NO.	42	4		5		4		5		6		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	173.00	228.00	275.00		264.00	99.50	127.00	43.00	51.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44			.20								44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45	8.20				24.20		7.80				45
46	SOLD (1,000 TONS) [11]	46					.30						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50	496.00		221.00				35.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	539.00		167.00								51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52					1,575.00						52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	119.00		222.00		176.00				8.90		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	6.20				23.40		14.00				55
56	REVENUES FROM SALE OF ASH ($1,000)	56					.10						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	6.20		3.00		23.40		14.00				59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60					.10						60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	DELAWARE RIVER		SCHUYLKILL RIVER		DELAWARE RIVER		MIAMI RIVER		WILLAMETTE RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	752.00		404.09		652.00		90.00				62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	752.00		404.15		652.00		90.00				63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	6.47		3.48		5.61		.77				64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	JUL DEC		JUL JAN		AUG NOV		JUL JAN				65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	66	88.30 53.00		87.00 43.00		80.00 55.00		88.00 44.00				66
67	AT OUTFALL, SUMMER - WINTER	67	101.00 68.00		102.00 58.00		93.00 68.00		102.00 60.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	96,000.00		3,390.00		120,000.00		236.00				68
69	- WINTER	69	96,000.00		853.00		120,000.00		1,700.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	70	H		H		H		H				70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	1.00		2.00		1.00		.80				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72			5.00				1.00				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74	15.00										74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	447.00		96.68		212.00		1.25				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	76	YES		NO YES		YES		YES				76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	PS		RS		RS		RS		ST		77
78	RECEIVING WATER BODY [19]	78											78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	6.80		10.00 7.00		11.20						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	35.00		1,000.00		700.00						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81			1,435.00		133.15						81
82	- ASH SETTLING	82			1,952.00								82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83			5 338.00		2 374.00		6 52.00		4 73.50		83
84	ONCE THROUGH COOLING (SALINE)	84	4 474.75										84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86											86
87	COMBINATIONS [21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1913 1914		1917 1958		1947 1948		1933 1961		1916 1930		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89			15.00		13.00		9.50 18.00		15.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	872.00		429.00		620.00		160.00		244.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	872.00		429.00		620.00		160.00		14.00		91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92									166.00		92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94											94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	26.00		76.83		186.00		5.00				95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	43.70		6.30		20.00		1.00				96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	14.40		283.20		115.00		5.00				97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	33.10		305.10		30.00		3.00				98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	POTOMAC EDISON CO. (VA.)	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CO.	
NAME OF PLANT	RIVERTON	BENNING	BUZZARD POINT	CHALK	DICKERSON	
UTILITY-PLANT CODE	39350C-C300	394500-C100	394500-C200	39450C-0300	39450C-64CC	
STATE	VIRGINIA	WASHINGTON D. C.	WASHINGTON, D.C.	MARYLAND	MARYLAND	
COUNTY	WARREN			PRINCE GEORGES	MONTGOMERY	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	226 C2	047 02	047 02	047 02	047 02	
PLANT CAPACITY (MW)	34.50	554.00	270.00	728.00	587.00	
ANNUAL GENERATION (MWH)[3]	115,600	1,709,900	913,400	3,077,900	4,051,000	
PLANT HEAT RATE (BTU/KWH)[3]	13,864	12,864	13,095	9,252	9,202	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	71.00	326.13	450.88	1,127.48	1,464.39	
AVERAGE HEAT CONTENT (BTU/LB)	11,241	13,005	13,228	12,484	12,391	
AVERAGE SULFUR CONTENT (%)	1.86	1.02	1.41	2.29	2.29	
AVERAGE ASH CONTENT (%)	17.87	11.31	10.23	13.83	14.19	
AVERAGE MOISTURE CONTENT (%)	5.96	4.39	4.20	4.71	4.86	
OIL: CONSUMPTION (1,000 BARRELS)	3.73	2,184.11	5.08	78.94	172.53	
AVERAGE HEAT CONTENT (BTU/GAL)	139,000	146,671	138,000	137,320	138,144	
AVERAGE SULFUR CONTENT (%)	.25	1.14	.17	.17	.35	
GAS: CONSUMPTION (1,000 MCF)			183.89			
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,100			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	23	6	2	3	
- NO. OF WET BOTTOM			6			
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	1	12	2			
- NO. WITH ELECTROSTATIC PRECIPITATORS		1		2	3	
- NO. WITH COMBINATION PRECIPITATORS[4]		1	6			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	3.00 25.00	20.00	18.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00	93.00	86.40			
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	80.00	93.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		96.00 98.40	99.30	97.50	97.50	
TESTED, LOW - HIGH					85.00 88.20	
EST., LOW - HIGH		96.00 98.00	99.30	97.50		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	2.16	3.35	.21	3.34	22.88	
SULFUR DIOXIDE (1,000 TONS)	2.59	14.87	12.46	51.10	65.94	
NITROGEN OXIDES (1,000 TONS)	.65	7.26	6.81	10.41	13.57	
STACKS: - TOTAL NO.	1	9	3	2	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	109.00	177.30 241.40	178.25	400.00	400.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	11.60	35.80	46.00	152.00	208.00	
SOLD (1,000 TONS)[11]	3.45	17.50			6.00	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	207.00	154.00	168.00			
ELECTROSTATIC PRECIPITATORS ($1,000)		116.00		907.00	1,309.00	
COMBINATION PRECIPITATORS ($1,000)[4]		771.00	1,590.00			
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	27.00	459.00	61.00	605.00	531.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	4.49	61.43	346.00	253.00	131.00	
REVENUES FROM SALE OF ASH ($1,000)	3.45				4.00	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	4.49	61.43	346.00	269.00	131.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	3.45	5.19			4.00	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	SHENANDOAH RIVER	ANACOSTIA RIVER	ANACOSTIA RIVER	PATUXENT RIVER	POTOMAC RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	69.00	460.00	880.00	1,114.00	633.00	
AVERAGE RATE OF DISCHARGE (CFS)	69.00	460.00	880.00	1,114.00	633.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.59		7.57	9.58	5.44	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL JAN	JUL JAN	JUL JAN	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 34.00	90.00 38.00	86.00 40.00	87.00 35.00	89.50	
AT OUTFALL, SUMMER - WINTER	95.00 50.00	105.00 47.00	96.00 50.00	100.00 51.00	100.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	964.00					
- WINTER	2,050.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.02	2.00	19.00		.01	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.60	14.36	.04	421.08	47.70	
LIME (TONS), COOLING WATER - BOILER MAKEUP		9.10		32.00	2.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP	.90	19.18		189.00	112.00	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	.85 .15	104.00	15.30	127.00	20.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	PS	OT	OT	
[19] RECEIVING WATER BODY	SHENANDOAH RIVER			PATUXENT RIVER	POTOMAC RIVER	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	32,400.00					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 34.50	11 268.00	6 270.00		3 525.00	
ONCE THROUGH COOLING (SALINE)				2 391.00		
COOLING PONDS						
COOLING TOWER(S)		1 289.00				
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949	1917 1968	1932 1945	1964	1959 1962	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.00	10.00 24.00	10.00	11.00	16.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	66.00	1,144.00	880.00	1,114.00	633.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	67.00	1,144.00	880.00	1,114.00	633.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	238.00	990.00	687.00	4,665.00	2,510.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)		460.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.00	57.20	24.50	49.60	13.90	
COST OF CHEMICAL ADDITIVES ($1,000)	.45					

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	40.10	24.70	19.60	39.40	
COST OF CHEMICAL ADDITIVES ($1,000)	6.00					

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	POTOMAC ELECTRIC POWER CO.	COWLITZ CO. P.U.D. #1	PUBLIC SERVICE CO. OF NEW MEXICO	PUBLIC SERVICE CO. OF NEW MEXICO	PUBLIC SERVICE CO. OF NEW MEXICO	
2							
3							
4	NAME OF PLANT	POTOMAC RIVER	LONGVIEW	PERSON	PAGER	REEVES	
5	UTILITY-PLANT CODE	394500-0500	401500-0100	403500-0100	403500-0200	403500-0300	
6	STATE	VIRGINIA	WASHINGTON	NEW MEXICO	NEW MEXICO	NEW MEXICO	
7	COUNTY	CITY OF ALEX.	COWLITZ	BERNALILLO	BERNALILLO	BERNALILLO	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	047 02	193 17	152 13	152 13	152 13	
9	PLANT CAPACITY (MW)	515.00	33.30	125.00	35.00	175.00	
10	ANNUAL GENERATION (MWH)[3]	2,796,500		407,200	185	1,227,900	
11	PLANT HEAT RATE (BTU/KWH)[3]	12,109		12,835		11,197	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,061.72					
13	AVERAGE HEAT CONTENT (BTU/LB)	13,255					
14	AVERAGE SULFUR CONTENT (%)	.92					
15	AVERAGE ASH CONTENT (%)	9.85					
16	AVERAGE MOISTURE CONTENT (%)	4.38					
17	OIL: CONSUMPTION (1,000 BARRELS)	21.04		10.10		13.20	
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,000		149,990		149,990	
19	AVERAGE SULFUR CONTENT (%)	.17		.80		.80	
20	GAS: CONSUMPTION (1,000 MCF)			4,703.00	10.53	12,586.00	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,096	1,098	1,096	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	1	4	5	3	
23	- NO. OF WET BOTTOM						
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS						
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						
27	- NO. WITH COMBINATION PRECIPITATORS[4]	5					
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00			15.00 20.00	7.00 10.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
31	TESTED, LOW - HIGH						
32	ESTIMATED, LOW - HIGH						
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.30 99.70					
34	TESTED, LOW - HIGH	92.00 96.10					
35	EST., LOW - HIGH						
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	5.22					
40	SULFUR DIOXIDE (1,000 TONS)	19.16		.03		.04	
41	NITROGEN OXIDES (1,000 TONS)	9.60		.94		2.48	
42	STACKS: - TOTAL NO.	5	2	4	5	3	
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	161.00	300.00	66.00 68.50	49.00 67.00	118.30	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	103.50					
46	SOLD (1,000 TONS)[11]	4.50					
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51	ELECTROSTATIC PRECIPITATORS ($1,000)						
52	COMBINATION PRECIPITATORS ($1,000)[4]	1,669.00					
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)	271.00	250.00		17.80		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	391.30					
56	REVENUES FROM SALE OF ASH ($1,000)	3.40					
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	391.30					
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	3.40					

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	POTOMAC	COLUMBIA RIVER	WELL	WELL	WELL	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	697.00		1.80		3.65	
63	AVERAGE RATE OF DISCHARGE (CFS)	697.00		1.00		1.46	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.99		.80		2.19	
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	JUN JAN				
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	91.00 33.00					
67	AT OUTFALL, SUMMER - WINTER	105.00 47.00					
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL					
69	- WINTER	TIDAL					
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C	C	C	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.25	2.74	5.62 2.08		7.44 .25	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	1.83	160.75		.30	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP,	91.00		3.60		7.80	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	NO YES		YES YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	ST	ST/PS	ST	
78	RECEIVING WATER BODY[19]	POTOMAC RIVER					
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82	- ASH SETTLING						

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 514.00	5 33.30				
84	ONCE THROUGH COOLING (SALINE)						
85	COOLING POND(S)						
86	COOLING TOWER(S)			4 125.00	4 35.00	3 175.00	
87	COMBINATIONS[21]						
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1957	1924 1932	1951 1957	1938 1948	1959 1962	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.00		15.00	14.00 15.00	16.30	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	696.40	68.00	222.40	75.50	265.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	697.00					

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,611.00	500.00				
93	COOLING PONDS ($1,000)						
94	COOLING TOWERS ($1,000)			360.00	135.00	252.00	

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	34.70					
96	COST OF CHEMICAL ADDITIVES ($1,000)			1.00		16.10	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	19.70	4.41				
98	COST OF CHEMICAL ADDITIVES ($1,000)		1.60	16.00		11.50	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	
NAME OF PLANT	OPESSER	EDWARDSPORT	NOBLESVILLE	GALLAGHER	WABASH RIVER	
UTILITY-PLANT CODE	4045OC-C1OO	4045OC-22OC	4045OC-05OC	4045CC-06OC	4045CC-08OC	
STATE	INDIANA	INDIANA	INDIANA	INDIANA	INDIANA	
COUNTY	VIGO	KNOX	HAMILTON	FLOYD	VIGO	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	084 05	084 05	080 05	078 05	084 05	
PLANT CAPACITY (MW)	210.00	146.75	100.00	600.00	562.00	
ANNUAL GENERATION (MWH) [3]	616,600	744,300	196,053	3,959,500	5,019,500	
PLANT HEAT RATE (BTU/KWH) [3]	13,265	13,268	13,000	10,170	10,063	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	388.00	447.00	110.00	1,763.00	2,295.00	
AVERAGE HEAT CONTENT (BTU/LB)	10,537	11,037	11,606	11,420	11,005	
AVERAGE SULFUR CONTENT (%)	3.78	3.29	2.98	3.58	2.54	
AVERAGE ASH CONTENT (%)	11.96	10.47	8.50	10.45	9.96	
AVERAGE MOISTURE CONTENT (%)	12.89	12.77	11.47	10.71	13.97	
OIL: CONSUMPTION (1,000 BARRELS)	32.00	11.00	3.00	18.00	34.00	
AVERAGE HEAT CONTENT (BTU/GAL)	140,000	140,000	140,000	140,000	140,000	
AVERAGE SULFUR CONTENT (%)	.31	.31	.31	.31	.31	
GAS: CONSUMPTION (1,000 MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8	4	3	4	6	
- NO. OF WET BOTTOM	7	1				
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS		1	3		3	
- NO. WITH ELECTROSTATIC PRECIPITATORS				4	3	
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 20.00 23.00	25.00	20.00	20.00 24.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	84.00	85.00		84.00		
TESTED, LOW - HIGH	82.80	85.00		83.60		
ESTIMATED, LOW - HIGH	70.00	85.00		70.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			99.00	98.00 98.50		
TESTED, LOW - HIGH			99.00	98.00 98.50		
EST., LOW - HIGH			99.00	98.00 98.50		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	30.65	30.17	1.19	1.57	25.15	
SULFUR OIOXIDE (1,000 TONS)	29.24	28.79	6.42	123.74	114.29	
NITROGEN OXIDES (1,000 TONS)	5.92	4.66	1.00	15.91	20.73	
STACKS: - TOTAL NO.	4	4	3	2	6	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	303.00	143.00	225.00	550.00	300.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	19.70	24.92	8.46	174.70	174.40	
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		40.00	90.00		236.00	
ELECTROSTATIC PRECIPITATORS ($1,000)				5,972.00	2,949.00	
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	164.00	50.00	111.00	2,449.00	532.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	40.00	45.00	30.00	143.00	185.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	40.00	45.00	30.00	143.00	185.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WABASH RIVER	WHITE RIVER	WHITE RIVER	OHIO RIVER	WABASH RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	596.40	308.20	182.20	702.80	1,109.80	
AVERAGE RATE OF DISCHARGE (CFS)	596.30	308.10	182.10	702.70	1,109.70	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.13 .11	2.65 .10	1.57 .10	6.04 .10	9.54 .10	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00 44.00	88.00 42.00	84.00 44.00	84.00 50.00	81.00 42.00	
AT OUTFALL, SUMMER - WINTER	98.00 55.00	103.00 57.00	96.00 64.00	103.00 69.00	100.00 61.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	10,560.00	6,099.00	554.00	72,240.00	10,560.00	
- WINTER	8,545.00	3,640.00	613.00	78,700.00	8,948.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.00	.50		.40	.90	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	136.15	73.40	5.00	12.20	.50	
LIME (TONS), COOLING WATER - BOILER MAKEUP	47.25	100.00	40.00	49.70	182.50	
ALUM (TONS), COOLING WATER - BOILER MAKEUP	54.25	5.00	7.50			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.17 .38	12.75 2.25	13.60 2.40	30.55 5.45	5.20 .80	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	SW	SW	ST	ST	ST	
RECEIVING WATER BODY	WABASH RIVER	WHITE RIVER				
POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING	10.50	11.00	10.50	9.00 9.00	9.00 9.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00	5.00	5.00	5.00 50.00	5.00 50.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	597.00	650.00	19.30	2,270.00	3,500.00	
- ASH SETTLING		45,000.00		53,000.00	30,800.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	6 221.00	3 146.80	2 100.00	4 600.00	6 962.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1945	1943 1951	1950	1958 1961	1953 1968	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.00 12.10	12.80 15.80	15.50	18.70	15.70 22.50	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	588.00	290.20	174.80	676.00	1,044.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	588.00	290.20	174.80	676.00	1,004.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	243.00	511.00	532.00	2,462.00	2,998.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)			191.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	41.00	67.00	6.00	177.00	30.00	
COST OF CHEMICAL ADDITIVES ($1,000)	2.00	2.00	2.00	4.00	1.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	89.00	59.00	29.00	164.00	131.00	
COST OF CHEMICAL ADDITIVES ($1,000)	26.00	18.00	3.00	30.00	22.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	PUBLIC SERVICE CO OF NEW HAMPSHIRE	PUBLIC SERVICE CO OF NEW HAMPSHIRE	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	
NAME OF PLANT	MERRIMACK	SCHILLER	BERGEN	BURLINGTON	ESSEX	
UTILITY-PLANT CODE	405000-1100	405000-1400	405500-0100	405500-0200	405500-0300	
STATE	NEW HAMPSHIRE	NEW HAMPSHIRE	NEW JERSEY	NEW JERSEY	NEW JERSEY	
COUNTY	MERRIMACK	ROCKINGHAM	BERGEN	BURLINGTON	ESSEX	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	121 C1	121 C1	043 C2	045 C2	043 C2	
PLANT CAPACITY (MW)	459.24	178.75	655.30	491.00	329.00	
ANNUAL GENERATION (MWH) [3]	2,687,600	830,200	3,556,800	2,766,200	1,271,400	
PLANT HEAT RATE (BTU/KWH) [3]	9,567	12,099	9,452	11,468	15,286	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	952.70		985.20			
AVERAGE HEAT CONTENT (BTU/LB)	13,515		12,812			
AVERAGE SULFUR CONTENT (%)	2.47		1.99			
AVERAGE ASH CONTENT (%)	6.81		9.73			
AVERAGE MOISTURE CONTENT (%)	4.01		4.90			
OIL: CONSUMPTION (1,000 BARRELS)		1,595.00		5,032.20	3,039.30	
AVERAGE HEAT CONTENT (BTU/GAL)		149,165		149,252	147,399	
AVERAGE SULFUR CONTENT (%)		2.55		1.09	.89	
GAS: CONSUMPTION (1,000 MCF)			8,043.30		587.60	
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,040		1,040	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	5	2	6	11	
- NO. OF WET BOTTOM	2		2			
- NO. WITH FLY ASH REINJECTION	2					
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	2			4	3	
- NO. WITH COMBINATION PRECIPITATORS [4]		2	2	1		
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	16.00	12.50 20.00	15.00	20.00 23.00	15.00 20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	90.00 92.40		98.00	95.00 97.00	90.00 93.00	
TESTED, LOW - HIGH	71.90 93.60		94.90 96.70			
EST., LOW - HIGH			94.70 96.50	5.00 25.00	5.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.88	.27	2.68	.75	.50	
SULFUR OXIDE (1,000 TONS)	46.12	13.65	38.43	18.40	9.08	
NITROGEN OXIDES (1,000 TONS)	26.20	3.52	16.35	11.10	6.82	
STACKS: - TOTAL NO.	2	4	2	4	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	225.00 317.00	137.00	305.50	224.80 225.30	273.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]				.20		
TOTAL ASH: COLLECTED (1,000 TONS) [10]	35.60		99.00			
SOLD (1,000 TONS) [11]	35.60		14.00			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	766.00			390.00	318.00	
COMBINATION PRECIPITATORS ($1,000) [4]		142.00	1,290.80	947.00		
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	393.00	116.00	829.50	124.50	158.90	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	41.00		212.00			
REVENUES FROM SALE OF ASH ($1,000)	46.70		10.00			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	41.00		212.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)			10.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MERRIMACK RIVER	RISCATAQUA RIVER	OVERPECK CREEK	DELAWARE RIVER	RASSAIC RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	444.00	252.40	968.00	709.00	847.00	
AVERAGE RATE OF DISCHARGE (CFS)	444.00	252.40	968.00	709.00	847.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.82	2.17	8.32	6.10	7.28	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 35.00	70.00 40.00	91.00 50.00	78.00 41.00	79.00 44.00	
AT OUTFALL, SUMMER - WINTER	100.00 60.00	90.00 65.00	102.00 70.00	90.00 53.00	91.00 56.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	3,558.00		968.00	709.00	847.00	
- WINTER	4,370.00		968.00	709.00	847.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	H	O	H	O	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.09	.65				
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.09	.26	250.00	150.00	37.50	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	3.00	17.46	990.00	45.00	240.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	PS	RS	PS	
RECEIVING WATER BODY [19]		PISCATAQUA RIVER				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			7.10	10.50	10.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			4.60	5.00	5.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				698.00	703.00	
- ASH SETTLING			218.20			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 459.24			7 491.00		
ONCE THROUGH COOLING (SALINE)		4 178.75	2 650.00		7 329.00	
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960 1968	1949 1957	1959 1960	1915 1955	1916 1947	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	22.00 26.00	17.00 20.00	11.20	12.20 18.00	9.20 24.80	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	416.00	245.00	968.00	708.60	847.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	444.00	252.40	968.00	708.60	845.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,924.00	1,889.00	2,813.70	1,423.50	1,700.90	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	52.80	44.20	32.90	79.80	69.60	
COST OF CHEMICAL ADDITIVES ($1,000)	8.50	5.30	66.10	3.00	16.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	36.70	42.00	63.50	72.80	46.40	
COST OF CHEMICAL ADDITIVES ($1,000)	4.70	8.30	24.10	16.00	6.50	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	
NAME OF PLANT	HUDSON	KEARNY A	KEARNY B	LINDEN	MARION	
UTILITY-PLANT CODE	4055 00-0500	4055 00-0700	4055 00-0800	4055 00-0900	4055 00-1000	
STATE	NEW JERSEY	NEW JERSEY	NEW JERSEY	NEW JERSEY	NEW JERSEY	
COUNTY	HUDSON	HUDSON	HUDSON	UNION	HUDSON	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	043 02	043 02	043 02	043 02	043 02	
PLANT CAPACITY (MW)	1,114.00	305.00	294.00	519.00	125.00	
ANNUAL GENERATION (MWH) [3]	2,959,000	485,876	1,677,700	3,159,114	497,200	
PLANT HEAT RATE (BTU/KWH) [3]	10,646	26,121	10,145	9,099	13,823	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	287.20					
AVERAGE HEAT CONTENT (BTU/LB)	13,041					
AVERAGE SULFUR CONTENT (%)	2.60					
AVERAGE ASH CONTENT (%)	7.59					
AVERAGE MOISTURE CONTENT (%)	6.64					
OIL: CONSUMPTION (1,000 BARRELS)	2,554.90	2,052.30	2,749.70	7,008.10	1,111.40	
AVERAGE HEAT CONTENT (BTU/GAL)	147,542	147,259	147,269	144,533	146,763	
AVERAGE SULFUR CONTENT (%)	.85	.86	.86	1.55	.86	
GAS: CONSUMPTION (1,000 MCF)	7,841.10					
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,037					

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	15	2	4	2	
- NO. OF WET BOTTOM	1					
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	2				2	
- NO. WITH COMBINATION PRECIPITATORS [4]			2			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	16.00 18.00	20.00	20.00	14.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	99.00 99.50		97.00		95.00	
TESTED, LOW - HIGH	97.80					
EST., LOW - HIGH	97.60 98.00		25.00		5.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.23	.34	.35	1.18	.18	
SULFUR DIOXIDE (1,000 TONS)	21.92	5.92	7.93	36.44	3.21	
NITROGEN OXIDES (1,000 TONS)	12.24	4.53	6.06	15.45	2.45	
STACKS: - TOTAL NO.	2	3	2	5	1	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	325.50 498.00	277.80	276.30	225.50	223.30	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]			.10	.10	.03	
TOTAL ASH: COLLECTED (1,000 TONS) [10]	29.00					
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	2,767.30				182.00	
COMBINATION PRECIPITATORS ($1,000) [4]			51.00			
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	2,019.70	252.30	154.40	609.00	22.10	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	334.00					
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	334.00					
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	HACKENSACK RIVER	HACKENSACK RIVER	HACKENSACK RIVER	ARTHUR KILL	HACKENSACK RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	1,382.00	1,081.00	440.00	528.00	176.00	
AVERAGE RATE OF DISCHARGE (CFS)	1,382.00	1,081.00	440.00	528.00	176.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	11.89	9.30	3.78	4.54	1.51	
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC		AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 45.00	85.00 47.00	85.00 47.00	77.00 39.00	83.00 45.00	
AT OUTFALL, SUMMER - WINTER	97.00 69.00	96.00 58.00	98.00 60.00	91.00 53.00	95.00 57.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,382.00	1,081.00	440.00	528.00	176.00	
- WINTER	1,382.00	1,081.00	440.00	528.00	176.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	O	H	H	O	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP				10.00	11.00	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	245.00	50.00	138.50	1,500.00	5.00	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP				280.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	616.00	94.00	50.00	990.00	84.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	PS	RS		ST	RS	
RECEIVING WATER BODY [19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.90	10.50	8.80		10.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5,300	5.00	2.00		5.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		1,600.00	64.00		281.00	
- ASH SETTLING	130.92					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)						
ONCE THROUGH COOLING (SALINE)	2 1,114.00	6 304.00	2 294.00	2 520.00	1 125.00	
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1964 1968	1925 1932	1953	1957	1941	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	12.40 15.00	10.40 12.20	12.50	12.20 15.20	12.30	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,342.00	1,081.00	440.00	528.00	176.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,382.00	1,081.00	440.00	528.00	176.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	4,343.80	1,086.80	990.20	1,919.20	283.40	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	39.80	37.70	25.90	39.30	37.50	
COST OF CHEMICAL ADDITIVES ($1,000)	41.10	6.40	3.20	66.10	5.60	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	69.90	33.00	29.30	170.50	37.50	
COST OF CHEMICAL ADDITIVES ($1,000)	44.80	9.10	11.60	247.20	3.80	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	PUBLIC SERVICE ELECTRIC & GAS CC.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO		1
2							2
3							3
4 NAME OF PLANT	MERCER	SEWAREN	ARAPAHOE	CAMEO	CHEROKEE		4
5 UTILITY-PLANT CODE	4C55CC-11CC	4055CC-12CC	4C6CCC-02CC	4C6CCC-05CC	4060CC-06CC		5
6 STATE	NEW JERSEY	NEW JERSEY	COLORADO	COLORADO	COLORADO		6
7 COUNTY	MERCER	MIDDLESEX	DENVER	MESA	ADAMS		7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	045 02	043 02	036 10	035 14	036 10		8
9 PLANT CAPACITY (MW)	653.00	820.00	250.50	75.00	801.30		9
10 ANNUAL GENERATION (MWH)[3]	3,751,000	4,458,000	706,800	288,000	4,161,200		10
11 PLANT HEAT RATE (BTU/KWH)[3]	9,233	10,519	12,140	11,871	10,271		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	926.10		228.50	85.42	1,120.10				12
13 AVERAGE HEAT CONTENT (BTU/LB)	13,071		9,841	10,411	11,065				13
14 AVERAGE SULFUR CONTENT (%)	2.01		.53	.67	.57				14
15 AVERAGE ASH CONTENT (%)	10.66		7.20	15.80	8.40				15
16 AVERAGE MOISTURE CONTENT (%)	5.17		18.30	10.90	9.70				16
17 OIL: CONSUMPTION (1,000 BARRELS)		6,827.70		.10					17
18 AVERAGE HEAT CONTENT (BTU/GAL)		149,773		138,988					18
19 AVERAGE SULFUR CONTENT (%)		1.23		.20					19
20 GAS: CONSUMPTION (1,000 MCF)	10,016.30	3,743.40	4,834.00	1,896.70	19,028.40				20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,040	1,037	844	866	845				21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	2	5	4	2	4				22
23 - NO. OF WET BOTTOM	2								23
24 - NO. WITH FLY ASH REINJECTION									24
25 - NO. WITH MECHANICAL PRECIPITATORS			1	1					25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS									26
27 - NO. WITH COMBINATION PRECIPITATORS[4]	2	4	3	1	4				27
28 - NO. WITH DESULFURIZATION SYSTEMS									28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	18.00 20.00	26.30 28.50	23.00 25.00	18.00 27.50				29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00	80.00					30
31 TESTED, LOW - HIGH									31
32 ESTIMATED, LOW - HIGH			75.00	75.00					32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00	95.00 97.00	97.40 99.60	97.40	90.10 99.30				33
34 TESTED, LOW - HIGH	90.50 95.70				90.70				34
35 EST., LOW - HIGH	90.30 95.50	25.00	89.80 95.70	96.80	85.30 94.10				35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									36
37 TESTED, LOW - HIGH									37
38 ESTIMATED, LOW - HIGH									38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	4.54	1.00	.93	.43	6.60				39
40 SULFUR DIOXIDE (1,000 TONS)	36.48	28.18	2.33	1.12	12.52				40
41 NITROGEN OXIDES (1,000 TONS)	15.84	15.79	2.53	1.14	13.47				41
42 STACKS: - TOTAL NO.	2	5	2	2	3				42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	325.50	225.00 325.00	250.00	150.00 200.00	300.00 400.00				43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.10							44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	93.00		15.70	12.10	84.90				45
46 SOLD (1,000 TONS)[11]	9.00				4.50				46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)									47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]									48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)									49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			72.10	48.30					50
51 ELECTROSTATIC PRECIPITATORS ($1,000)									51
52 COMBINATION PRECIPITATORS ($1,000)[4]	1,739.10	1,824.00	1,344.00	375.60	2,407.20				52
53 DESULFURIZATION SYSTEMS ($1,000)									53
54 STACKS ($1,000)	583.40	782.00	193.45	113.20	760.61				54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	165.00		53.90	27.70	50.30				55
56 REVENUES FROM SALE OF ASH ($1,000)	6.90				11.10				56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)									57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)									58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	165.00		53.90	27.70	50.30				59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	6.90				11.10				60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	DELAWARE RIVER	ARTHUR KILL	RLATTE RIVER/WELL	U.S.B.R. CANAL	PLATTE RIVER				61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,056.00	1,302.00	.96	77.80	11.59				62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,056.00	1,302.00		77.00					63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	9.08	11.20	.96	.80	11.59				64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC		AUG JAN					65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	72.00 43.00	82.00 49.00		75.00 34.00					66
67 AT OUTFALL, SUMMER - WINTER	83.00 54.00	95.00 62.00		101.00 62.00					67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,056.00	1,302.00		77.80					68
69 - WINTER	1,056.00	1,302.00		73.50					69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	O	O		H					70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			6.77 1.47	.08	25.37 .50				71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	50.00	250.00	.11	.04	.12				72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP									73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP									74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	120.00	500.00	1.45		123.84				75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES YES				76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		RS	ST	RS				77
78 RECEIVING WATER BODY[19]				COLORADO RIVER					78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.90	10.50	8.80 8.80		8.50				79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	4.10	5.00	420.00 420.00						80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		3,150.00							81
82 - ASH SETTLING	203.65		28,300.00		28,050.00				82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 652.00								83
84 ONCE THROUGH COOLING (SALINE)		5 820.00							84
85 COOLING POND(S)									85
86 COOLING TOWER(S)			4 250.50		4 801.30				86
87 COMBINATIONS[21]				2 75.00					87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960	1948 1962	1950 1955	1957	1957 1968				88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.20	10.90 14.70	19.70 21.30	15.00	13.00 18.00				89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,056.00	1,302.00	346.00	75.00	1,017.00				90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,056.00	1,302.00		77.80					91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	2,918.40	2,873.50		555.00					92
93 COOLING PONDS ($1,000)				53.00					93
94 COOLING TOWERS ($1,000)			755.00		2,185.00				94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	48.40	90.40	132.90	1.17	383.70				95
96 COST OF CHEMICAL ADDITIVES ($1,000)	8.00	33.40	17.20	.27	53.90				96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	67.90	98.10	1.20	.87	5.60				97
98 COST OF CHEMICAL ADDITIVES ($1,000)	9.60	42.30	.90	.53	6.30				98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF OKLAHOMA	PUBLIC SERVICE CC. OF OKLAHOMA	PUBLIC SERVICE CO. OF OKLAHOMA	
2							
3							
4	NAME OF PLANT	VALMONT	ZUNI	LAWTON	NORTHEASTERN	SOUTHWESTERN	
5	UTILITY-PLANT CODE	406COC-12C0	406COC-13CC	406370-03CC	4063CC-05C0	4063CC-C6CC	
6	STATE	COLORADO	COLORADO	OKLAHOMA	OKLAHOMA	OKLAHOMA	
7	COUNTY	BOULDER	DENVER	COMANCHE	ROGERS	CADDO	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	036 10	036 10	189 11	186 11	189 11	
9	PLANT CAPACITY (MW)	281.75	115.25	29.50	170.00	483.00	
10	ANNUAL GENERATION (MWH) [3]	1,029,400	365,900	1,584	1,253,400	2,777,100	
11	PLANT HEAT RATE (BTU/KWH) [3]	10,739	14,835	20,784	10,580	10,893	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	407.00	97.30				
13	AVERAGE HEAT CONTENT (BTU/LB)	10,017	9,243				
14	AVERAGE SULFUR CONTENT (%)	.55	.37				
15	AVERAGE ASH CONTENT (%)	6.50	5.80				
16	AVERAGE MOISTURE CONTENT (%)	19.40	25.80				
17	OIL: CONSUMPTION (1,000 BARRELS)		279.70		.32	.12	
18	AVERAGE HEAT CONTENT (BTU/GAL)		152,200		140,315	138,675	
19	AVERAGE SULFUR CONTENT (%)		1.25		.44	.33	
20	GAS: CONSUMPTION (1,000 MCF)	2,954.00	3,857.70	32.00	13,405.00	30,432.00	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	820	845	1,033	989	1,075	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	9	3	5	1	4	
23	- NO. OF WET BOTTOM	4					
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS		1				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						
27	- NO. WITH COMBINATION PRECIPITATORS [4]	1	1				
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	27.00 28.50	15.00 28.50	15.00	7.00	5.00 8.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00				
31	TESTED, LOW - HIGH						
32	ESTIMATED, LOW - HIGH		75.00				
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	98.10	98.10				
34	TESTED, LOW - HIGH	78.30					
35	EST., LOW - HIGH		81.30				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	4.92	.71				
40	SULFUR OIOXIDE (1,000 TONS)	4.39	1.88				
41	NITROGEN OXIDES (1,000 TONS)	4.24	2.10	.01	2.61	5.93	
42	STACKS: - TOTAL NO.	3	3	2	2	4	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	250.00 350.00	45.00 292.00	226.70	183.00	114.00 141.00	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	21.50	4.60				
46	SOLD (1,000 TONS) [11]						
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		89.06				
51	ELECTROSTATIC PRECIPITATORS ($1,000)						
52	COMBINATION PRECIPITATORS ($1,000) [4]	688.66	107.90				
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)	327.40	123.90				
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	34.00	17.30				
56	REVENUES FROM SALE OF ASH ($1,000)						
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	34.00	17.30				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	BOULDER CREEK	PLATTE RIVER	WELLS	OOLOGAH LAKE	FT. COBB RESEVOIR	
62	AVERAGE RATE OF WITHORAWAL (CFS)	300.00	10.70		3.10	6.35	
63	AVERAGE RATE OF DISCHARGE (CFS)	299.00	10.00		.78	1.06	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.00	.70		2.32	5.29	
65	PEAK LOAD MONTH : SUMMER - WINTER [15]		JUL FEB		JUL NOV	AUG DEC	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		76.00 49.00				
67	AT OUTFALL, SUMMER - WINTER		90.00 69.00		110.00 85.00	90.00 75.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		597.00		9,387.00	5,504.00	
69	- WINTER		51.00		4,954.00	5,739.00	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]		O				
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.46	2.36 6.57		13.48 .02	29.22 .13	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.11			2.38	13.37	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		67.28		1.01	293.28 2.63	
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				.21	17.02 .15	
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.89	.75		24.28 .06	26.22 .07	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	YES YES	YES YES	YES YES	YES YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	PS	PS	OT	OT	
78	RECEIVING WATER BODY	LEECHING FIELD.			FOUR MILE CREEK	WASHITA RIVER	
79	POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING	9.50	9.40				
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	750.00					
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82	- ASH SETTLING	1,638.00					

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)						
84	ONCE THROUGH COOLING (SALINE)						
85	COOLING POND(S)	5 281.75					
86	COOLING TOWER(S)		1 75.00	4 29.50	1 170.00	3 483.00	
87	COMBINATIONS [21]		1 40.25				
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1964	1948 1954	1937 1946	1961	1952 1967	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.00	15.00 21.30	14.00 19.00	15.50	17.00 20.80	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	467.10	165.00	118.00	265.00	548.20	
91	TOTAL RATE OF WITHORAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		64.60				

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		107.00				
93	COOLING PONDS ($1,000)	978.00					
94	COOLING TOWERS ($1,000)		482.00				

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	.35	32.00				
96	COST OF CHEMICAL ADDITIVES ($1,000)	.53	5.40	.04	13.10	60.30	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	.36	46.10				
98	COST OF CHEMICAL ADDITIVES ($1,000)	.57	10.10	.40	1.10	4.60	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	PUBLIC SERVICE CO. OF OKLAHOMA		PUBLIC SERVICE CO. OF OKLAHOMA		PUERTO RICO WATER RESOURCES AUTH.		PUERTO RICO WATER RESOURCES AUTH.		PUERTO RICO WATER RESOURCES AUTH.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	TULSA		WELEETKA		PALO SECO		SAN JUAN		SOUTH COAST		4
5	UTILITY-PLANT CODE	5	406300-0700		406300-0800		407700-0100		407700-0200		407700-0300		5
6	STATE	6	OKLAHOMA		OKLAHOMA		PUERTO RICO		PUERTO RICO		PUERTO RICO		6
7	COUNTY	7	TULSA		OKFUSKEE				SAN JUAN				7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	186 11		188 11		244 23		244 23		244 23		8
9	PLANT CAPACITY (MW)	9	482.00		83.00		416.00		634.50		287.50		9
10	ANNUAL GENERATION (MWH) [3]	10	3,074,100		248,400		994,800		2,841,500		1,799,000		10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	10,642		15,585		10,598		12,885		10,290		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12													12
13	AVERAGE HEAT CONTENT (BTU/LB)	13													13
14	AVERAGE SULFUR CONTENT (%)	14													14
15	AVERAGE ASH CONTENT (%)	15													15
16	AVERAGE MOISTURE CONTENT (%)	16													16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	.31				2,231.70		5,771.10		2,938.48				17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	138,000				149,932		148,972		154,552				18
19	AVERAGE SULFUR CONTENT (%)	19	.40				2.12		1.96		2.48				19
20	GAS: CONSUMPTION (1,000 MCF)	20	29,697.00		3,620.00										20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,019		1,070										21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	6		6		4		10		4				22
23	- NO. OF WET BOTTOM	23													23
24	- NO. WITH FLY ASH REINJECTION	24													24
25	- NO. WITH MECHANICAL PRECIPITATORS	25													25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26													26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27													27
28	- NO. WITH DESULFURIZATION SYSTEMS	28													28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	7.00	15.00	10.00	15.00	12.00	15.00	12.00	12.20	12.00	15.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30													30
31	TESTED, LOW - HIGH	31													31
32	ESTIMATED, LOW - HIGH	32													32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33													33
34	TESTED, LOW - HIGH	34													34
35	EST., LOW - HIGH	35													35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36													36
37	TESTED, LOW - HIGH	37													37
38	ESTIMATED, LOW - HIGH	38													38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39					.38		.97		.46				39
40	SULFUR DIOXIDE (1,000 TONS)	40					15.88		37.95		24.45				40
41	NITROGEN OXIDES (1,000 TONS)	41	5.79		.71		4.92		12.73		6.48				41
42	STACKS: - TOTAL NO.	42	7		3		6		11		3				42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	175.00 184.00		113.00		196.00 221.60		166.00 191.00		155.00 205.00				43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44					.35								44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45													45
46	SOLD (1,000 TONS) [11]	46													46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47													47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48													48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49													49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50													50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51													51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52													52
53	DESULFURIZATION SYSTEMS ($1,000)	53													53
54	STACKS ($1,000)	54													54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55													55
56	REVENUES FROM SALE OF ASH ($1,000)	56													56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57													57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58													58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59													59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60													60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	ARKANSAS RIVER		NORTH CANADIAN R.		SALT WATER BAY		SALT WATER BAY		SALT WATER BAY				61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	6.22		2.03		1,004.00		838.00		404.18				62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	1.55		.58		1,004.00		838.00		404.18				63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	4.67		1.45		8.63		7.21		3.48				64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	AUG JAN		JUL DEC										65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	88.00 50.00				80.00 80.00		80.00 80.00		80.00 80.00				66
67	AT OUTFALL, SUMMER - WINTER	67	100.00 82.00		93.00 72.00		95.00 95.00		95.00 95.00		92.00 92.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	10,506.00		6,947.00		1,004.00		838.00		404.18				68
69	- WINTER	69	5,129.00		29,040.00				838.00		404.18				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	70													70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	26.03 .17		5.48 .22		.82		2.96		.55				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	19.13		20.33		.05		1.99		.27				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73													73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74													74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	23.29		4.07		.29								75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	YES YES		YES YES		YES YES		YES YES						76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	PS		ST										77
78	RECEIVING WATER BODY [19]	78													78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79													79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80													80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81													81
82	- ASH SETTLING	82													82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83													83
84	ONCE THROUGH COOLING (SALINE)	84					3 416.15		10 640.00		4 287.40				84
85	COOLING POND(S)	85													85
86	COOLING TOWER(S)	86	9 482.00		3 83.00										86
87	COMBINATIONS [21]	87													87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1947 1958		1948 1955		1960 1960		1951 1969		1958 1963				88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	14.50 17.00		14.50 19.00		15.00		15.00		15.00				89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	724.80		187.20		611.30		1,306.00		464.20				90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91					1,006.00		1,306.00		464.00				91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92													92
93	COOLING PONDS ($1,000)	93													93
94	COOLING TOWERS ($1,000)	94													94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95									32.00				95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	49.70		10.30		4.00		7.47						96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97									67.00				97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	15.90		4.80		2.00		4.30		16.00				98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	PUGET SOUND POWER & LIGHT CO.	ROCHESTER GAS & ELECTRIC CORP.	ROCHESTER GAS & ELECTRIC CORP.	SALT R. PROJ. AG. IMP. PR. D.	SALT R. PROJ. AG. IMP. PR. C.		
4	NAME OF PLANT	SHUFFLETON	ROCHESTER 3	ROCHESTER 7	AGUA FRIA 2	CROSSCUT		
5	UTILITY-PLANT CODE	478030-6400	422000-0500	422000-0700	433000-0100	433000-0300		
6	STATE	WASHINGTON	NEW YORK	NEW YORK	ARIZONA	ARIZONA		
7	COUNTY	KING	MONROE	MONROE	MARICOPA	MARICOPA		
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	229 17	160 04	160 04	015 15	015 15		
9	PLANT CAPACITY (MW)	87.50	206.20	252.60	390.40	30.00		
10	ANNUAL GENERATION (MWH) [3]	2	685,953	1,419,000	2,052,300			
11	PLANT HEAT RATE (BTU/KWH) [3]	37,176	10,989	10,412	9,829			

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		479.31	566.50				
13	AVERAGE HEAT CONTENT (BTU/LB)		13,015	12,890				
14	AVERAGE SULFUR CONTENT (%)		2.60	2.57				
15	AVERAGE ASH CONTENT (%)		9.56	9.61				
16	AVEPAGE MOISTURE CONTENT (%)		4.10	4.70				
17	OIL: CONSUMPTION (1,000 BARRELS)	10.00	18.00	19.92	16.48			
18	AVEPAGE HEAT CONTENT (BTU/GAL)	148,000	137,650	137,650	152,019			
19	AVERAGE SULFUR CONTENT (%)	2.00	.30	.30	.74			
20	GAS: CONSUMPTION (1,000 MCF)		2.69		19,012.50			
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		538		1,071			

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	7	4	3			
23	- NO. OF WET BOTTOM							
24	- NO. WITH FLY ASH REINJECTION							
25	- NO. WITH MECHANICAL PRECIPITATORS							
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		7	4				
27	- NO. WITH COMBINATION PRECIPITATORS [4]							
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	10.00	25.00 30.00	25.00	7.00 10.00			
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
31	TESTED, LOW - HIGH							
32	ESTIMATED, LOW - HIGH							
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		95.00 97.50	97.50				
34	TESTED, LOW - HIGH		77.10 93.50	96.70 99.50				
35	EST., LOW - HIGH		77.50 94.50	97.50				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		4.59	1.16				
40	SULFUR DIOXIDE (1,000 TONS)	.07	24.44	28.71	.04			
41	NITROGEN OXIDES (1,000 TONS)	.02	4.35	5.17	3.74			
42	STACKS: - TOTAL NO.	3	3	2	6			
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	148.00	234.00 265.00	250.00	120.00 123.00			
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]		74.90	90.50				
46	SOLD (1,000 TONS) [11]							
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
51	ELECTROSTATIC PRECIPITATORS ($1,000)		718.40	712.50				
52	COMBINATION PRECIPITATORS ($1,000) [4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	150.00	188.20	291.20	264.00			
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		170.00	204.00				
56	REVENUES FROM SALE OF ASH ($1,000)							
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		170.00	204.00				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE WASHINGTON	GENESEE RIVER	LAKE ONTARIO	WELLS/IPR. CANAL			
62	AVERAGE RATE OF WITHDRAWAL (CFS)	360.00	19.12	250.00	18.00			
63	AVERAGE RATE OF DISCHARGE (CFS)	360.00	17.60	250.00	7.00			
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.10	.16 1.52	2.15	11.00			
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JAN	JUL DEC	JUL DEC				
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	40.00	80.00 40.00	79.00 38.00	80.00 60.00			
67	AT OUTFALL, SUMMER - WINTER	52.00	99.00 60.00	99.00 67.00	87.00 87.00			
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,907.00		5.00			
69	- WINTER	50.00	3,032.00		2.00			
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	C	D			
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	8.47	.13	27.38 .27			
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		44.85	28.00	5.48			
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		175.72		12.78			
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		.98	5.00	27.38			
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO	NO YES	YES	YES YES			
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, DT [18]	PS	PS	PS	ST			
78	RECEIVING WATER BODY [19]							
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			8.42				
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			8.87				
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82	- ASH SETTLING			112,700.00				

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 87.50	10 206.20	4 252.60				
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING POND(S)							
86	COOLING TOWER(S)				3 390.40			
87	COMBINATIONS [21]							
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1929	1914 1959	1949 1957	1957 1961			
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.00	19.60 20.00	19.60	13.20 23.20			
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	360.00	288.60	255.00	517.40			
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	360.00	288.60	259.00				

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	500.00	349.70	1,587.00				
93	COOLING PONDS ($1,000)							
94	COOLING TOWERS ($1,000)				2,871.00			

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		118.00	35.00	68.00			
96	COST OF CHEMICAL ADDITIVES ($1,000)		1.00	1.00	35.10			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	85.00	36.00	34.50			
98	COST OF CHEMICAL ADDITIVES ($1,000)	1.00	33.00	10.00	4.60			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	SALT R. PROJ. AG. IMP. PR. D.	SAN DIEGO GAS & ELECTRIC CO.	SAN DIEGO GAS & ELECTRIC CO.	SAN DIEGO GAS & ELECTRIC CO.	SAN DIEGO GAS & ELECTRIC CO.		
NAME OF PLANT	KYRENE	ENCINA	SILVER GATE	SOUTH BAY	STATION B		
UTILITY-PLANT CODE	433000-0600	433500-0300	433500-0500	433500-0600	433500-0700		
STATE	ARIZONA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA		
COUNTY	MARICOPA	SAN DIEGO	SAN DIEGO	SAN DIEGO	SAN DIEGO		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	015 15	029 18	029 18	029 18	029 18		
PLANT CAPACITY (MW)	108.00	331.00	247.50	474.00	96.00		
ANNUAL GENERATION (MWH)[3]	184,300	1,576,000	373,270	2,850,700	63,503		
PLANT HEAT RATE (BTU/KWH)[3]	12,559	10,515	12,953	9,762	19,722		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)							
AVERAGE HEAT CONTENT (BTU/LB)							
AVERAGE SULFUR CONTENT (%)							
AVERAGE ASH CONTENT (%)							
AVERAGE MOISTURE CONTENT (%)							
OIL: CONSUMPTION (1,000 BARRELS)	.85	620.00	64.00	993.00	24.00		
AVERAGE HEAT CONTENT (BTU/GAL)	152,200	152,115	152,680	152,141	152,702		
AVERAGE SULFUR CONTENT (%)	1.25	1.59	1.60	1.55	1.60		
GAS: CONSUMPTION (1,000 MCF)	2,172.36	11,794.00	4,158.00	21,171.00	1,408.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,066	1,078	1,064	1,064	1,063		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	3	6	3	10		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	13.00 15.00	15.00 18.00	15.00	8.00 9.00	10.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.10	.01	.17			
SULFUR DIOXIDE (1,000 TONS)		3.30	.34	5.15	.11		
NITROGEN OXIDES (1,000 TONS)	.43	3.65	.95	6.31	.32		
STACKS: - TOTAL NO.	2	3	6	3	10		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	75.75 120.00	173.00	115.75 124.00	174.50	175.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]							
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
~~INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)~~							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	168.30	42.00	17.00	41.00	76.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CANAL/WELL	PACIFIC OCEAN	SAN DIEGO BAY	SAN DIEGO BAY	SAN DIEGO BAY		
AVERAGE RATE OF WITHDRAWAL (CFS)	95.67	275.00	216.00	530.00	121.00		
AVERAGE RATE OF DISCHARGE (CFS)	93.10	275.00	216.00	530.00	121.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.57	2.37	1.86	4.56	1.04		
PEAK LOAD MONTH : SUMMER - WINTER[15]		AUG DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	74.00	74.00 62.00	79.00 65.00	86.00 67.00	79.00 64.00		
AT OUTFALL, SUMMER - WINTER	77.00	94.00 90.00	98.00 90.00	114.00 98.00	93.00 74.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	450.00						
- WINTER							
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]		C	C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.14	.08	.08	.23	2.72		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	.12 .01	.15 .09	.13	.02		
LIME (TONS), COOLING WATER - BOILER MAKEUP	10.15	8.39					
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	.54	46.00	66.00	60.00	3.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES YES	YES YES	NO YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	PS	PS		
[19] RECEIVING WATER BODY	CESSPOOL						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							
ONCE THROUGH COOLING (SALINE)		3 330.75	4 247.00	3 473.60	4 93.00		
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS[21]	2 108.00						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1952 1954	1954 1958	1943 1952	1960 1964	1922 1937		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	21.00 23.60	21.90	16.70	14.00 18.00	17.50		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	149.60	330.70	332.70	580.60	270.90		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	149.80	330.60	332.70	616.00	270.90		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	356.92	5,271.00	1,253.00	2,762.00	1,126.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)	471.33						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		39.10	56.00	15.30	25.90		
COST OF CHEMICAL ADDITIVES ($1,000)	1.43	5.90	7.80	8.00	.30		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.72	33.80	27.00	44.50	38.80		
COST OF CHEMICAL ADDITIVES ($1,000)	2.96	1.60	.50	.90	2.90		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	SAVANNAH ELECTRIC & POWER CO.	SAVANNAH ELECTRIC & POWER CO.	SEATTLE DEPT. OF LIGHTING	SIERRA PACIFIC POWER CO.	SIERRA PACIFIC POWER CO.	1
2							2
3							3
4	NAME OF PLANT	PORT WENTWORTH	RIVERSIDE	LAKE UNION	FORT CHURCHILL	TRACY	4
5	UTILITY-PLANT CODE	435500-0100	435500-0200	437000-0600	443500-0400	443500-1200	5
6	STATE	GEORGIA	GEORGIA	WASHINGTON	NEVADA	NEVADA	6
7	COUNTY	CHATHAM	CHATHAM	KING	LYON	STOREY	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	058 C3	058 C3	229 17	148 16	148 16	8
9	PLANT CAPACITY (MW)	207.00	118.50	30.00	110.00	133.00	9
10	ANNUAL GENERATION (MWH)[3]	1,227,700	275,905	1,100	682,600	417,400	10
11	PLANT HEAT RATE (BTU/KWH)[3]	9,891	13,200	24,045	10,344	11,552	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	36.10						12
13	AVERAGE HEAT CONTENT (BTU/LB)	13,008						13
14	AVERAGE SULFUR CONTENT (%)	2.50						14
15	AVERAGE ASH CONTENT (%)	10.94						15
16	AVERAGE MOISTURE CONTENT (%)	3.51						16
17	OIL: CONSUMPTION (1,000 BARRELS)	351.40	101.80	1.29	5.80	28.70		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	147,972	147,876	151,497	149,807	149,651		18
19	AVERAGE SULFUR CONTENT (%)	2.20	2.50	.82	.79	1.10		19
20	GAS: CONSUMPTION (1,000 MCF)	9,497.80	2,808.60		6,650.30	4,384.10		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,049	1,051		1,056	1,056		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	6	14	1	2		22
23	- NO. OF WET BOTTOM	3						23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS	3						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00 20.00	18.00 35.00	14.00	7.00	10.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	86.10 92.50						30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH	86.10 92.50						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.36	.02					39
40	SULFUR DIOXIDE (1,000 TONS)	4.36	.85		.02	.11		40
41	NITROGEN OXIDES (1,000 TONS)	3.17	.77		1.31	.92		41
42	STACKS: - TOTAL NO.	3	5	7	1	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	198.00 175.00	254.00	156.00	162.00	200.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.04						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	3.94						45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	161.40						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	101.60	95.60		18.00	103.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	2.10						55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	12.40						59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	SAVANNAH RIVER	SAVANNAH RIVER	LAKE UNION	WELL	TRUCKEE RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	274.80	154.00		8.80	75.80		62
63	AVERAGE RATE OF DISCHARGE (CFS)	274.80	154.00		6.60	75.80		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.36	1.32		2.20			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN JAN	JUN JAN	SEP DEC	JUL DEC	JUL DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 53.00	84.00 54.00	68.00 50.00	96.00 66.00	80.00 45.00		66
67	AT OUTFALL, SUMMER - WINTER	96.00 67.00	98.00 60.00	90.00 70.00		109.00 93.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	12,500.00	12,500.00			854.00		68
69	- WINTER	12,500.00	12,500.00			608.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C[16]	D	C		C	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.28	.75		.50	.55		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	1.50		43.69	25.78		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	52.00			1.83	1.83		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	NO NO	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	RS	PS	ST	ST		77
78	RECEIVING WATER BODY[19]	SAVANNAH RIVER						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.00 6.70						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			3 30.00		1 53.00		83
84	ONCE THROUGH COOLING (SALINE)	3 207.00	5 118.50					84
85	COOLING POND(S)				1 110.00			85
86	COOLING TOWER(S)							86
87	COMBINATIONS[21]					1 80.00		87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1957 1965	1926 1955	1914 1921	1968	1965		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00 18.00	10.00 15.00	27.00	21.00	28.00 36.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	675.08	21.00	790.20	103.00	126.60		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	274.93	77.00	790.20		126.60		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,048.70	506.60			118.00		92
93	COOLING PONDS ($1,000)				273.00	339.00		93
94	COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.00	3.00	.30				95
96	COST OF CHEMICAL ADDITIVES ($1,000)	4.60	4.60		.60	.50		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.50	6.30	.20				97
98	COST OF CHEMICAL ADDITIVES ($1,000)	7.80	2.30		5.00	3.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1969

1	NAME OF UTILITY	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	1
4	NAME OF PLANT	CANADYS	HAGOOD	MCMEEKIN	PARR	URQUHART	4
5	UTILITY-PLANT CODE	447500-0400	447500-0700	447500-0900	447500-1200	447500-1600	5
6	STATE	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	6
7	COUNTY	COLLETON	CHARLESTON	LEXINGTON	FAIRFIELD	AIKEN	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	058 03	199 03	200 03	200 03	053 03	8
9	PLANT CAPACITY (MW)	489.60	100.00	293.70	72.50	250.00	9
10	ANNUAL GENERATION (MWH)[3]	2,557,000	439,200	1,887,100	92,357	1,725,500	10
11	PLANT HEAT RATE (BTU/KWH)[3]	9,733	12,755	9,225	20,457	10,245	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	752.64		430.30	75.90	275.73	12
13	AVERAGE HEAT CONTENT (BTU/LB)	12,552		12,426	12,261	12,594	13
14	AVERAGE SULFUR CONTENT (%)	1.11		1.11	1.30	.98	14
15	AVERAGE ASH CONTENT (%)	12.06		10.87	11.45	10.78	15
16	AVERAGE MOISTURE CONTENT (%)	4.22		5.03	4.83	5.45	16
17	OIL: CONSUMPTION (1,000 BARRELS)	4.96	374.92	1.54	2.84	.79	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,296	149,987	135,403	138,941	138,618	18
19	AVERAGE SULFUR CONTENT (%)	.10	2.74	.06	.06	.10	19
20	GAS: CONSUMPTION (1,000 MCF)	5,675.57	3,086.56	6,391.02		10,410.34	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,050	1,050	1,040		1,049	21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	3	3	2	7	3	22
23	- NO. OF WET BOTTOM	3		2	2	3	23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	3		2		1	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					3	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	22.50	15.00	22.50	25.00	22.50	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	83.50 84.00		84.00		90.00	30
31	TESTED, LOW - HIGH	29.00 75.00		51.80 62.80			31
32	ESTIMATED, LOW - HIGH	29.00 75.00		51.80 62.80			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH					99.60	33
34	TESTED, LOW - HIGH					99.00 99.12	34
35	ESTIMATED, LOW - HIGH					99.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	27.24	.66	13.02	6.89	.16	39
40	SULFUR DIOXIDE (1,000 TONS)	16.38	3.45	9.36	1.93	5.30	40
41	NITROGEN OXIDES (1,000 TONS)	12.41	1.43	7.70	.82	6.17	41
42	STACKS: - TOTAL NO.	3	2	2	4	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00	125.00	250.00	169.00	200.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	90.24	.63	30.64	1.33	27.50	45
46	SOLD (1,000 TONS)[11]					.50	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	292.19		176.32		98.05	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)					1,196.75	51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	263.39	53.74	137.56		214.18	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		.64			8.96	55
56	REVENUES FROM SALE OF ASH ($1,000)					1.82	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		.64			8.96	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					1.82	60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	EDISTO RIVER	ASHLEY RIVER	LAKE MURRAY	BROAD RIVER	SAVANNAH RIVER	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	559.07	210.67	178.30	264.00	294.40	62
63	AVERAGE RATE OF DISCHARGE (CFS)	559.07	210.67	177.60	264.00	292.90	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		1.81	1.53 .70	2.27	2.53 1.50	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL JAN	JUL JAN	JUL JAN	JUL JAN	JUL JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 50.00	87.00 48.60	55.00 48.20	85.00 39.00	73.00 49.00	66
67	AT OUTFALL, SUMMER - WINTER	93.00 57.00	103.00 54.50	73.00 63.00	92.00 49.00	95.00 70.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,100.00			2,781.00	6,924.00	68
69	- WINTER	2,300.00			6,707.00	10,220.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C[16]	C	H	C	H	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.26			.10		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	246.16	4.80	30.10	6.78		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				.49		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	.03		75.85	.31	77.25	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	60.00				13.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	NO YES	NO YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	OT	ST	SW	SW	77
78	RECEIVING WATER BODY[18]		ASHLEY RIVER		BROAD RIVER	SAVANNAH RIVER	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	5.50 5.50		7.20			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	180.00 180.00		125.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	13,000.00					81
82	- ASH SETTLING	31,000.00		6,620.00			82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			2 293.60	3 72.50	3 250.00	83
84	ONCE THROUGH COOLING (SALINE)		3 94.38				84
85	COOLING POND(S)						85
86	COOLING TOWER(S)						86
87	COMBINATIONS[21]	3 489.60					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962 1967	1947 1951	1958	1925 1929	1953 1955	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.00	19.00	20.00		24.00 24.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	499.31	201.32	252.00	264.00	292.70	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	499.31	204.99	252.00	264.00	294.40	91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	886.00	37.00	140.14		182.36	92
93	COOLING PONDS ($1,000)	1,631.25					93
94	COOLING TOWERS ($1,000)						94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		13.49			1.12	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	10.00				3.63	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		3.60			16.17	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	28.00	2.21	10.11	.44	8.03	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	SOUTH CAROLINA PUBLIC SERVICE AUTH.	SOUTH CAROLINA PUBLIC SERVICE AUTH.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	
NAME OF PLANT	GRAINGER	JEFFERIES	ALAMITOS	COOL WATER	EL SEGUNDO	
UTILITY-PLANT CODE	44800C-F1G0	448000-0200	450500-0100	4505C0-1400	450500-1500	
STATE	SOUTH CAROLINA	SOUTH CAROLINA	CALIFORNIA	CALIFORNIA	CALIFORNIA	
COUNTY	HORRY	BERKELEY	LOS ANGELES	SAN BERNARDINO	LOS ANGELES	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	204 03	199 03	024 18	033 18	024 18	
PLANT CAPACITY (MW)	163.20	272.80	1,982.40	146.80	996.50	
ANNUAL GENERATION (MWH) [3]	1,311,800	356,400	10,354,600	575,500	3,940,700	
PLANT HEAT RATE (BTU/KWH) [3]	10,331	11,709	9,540	10,690	9,690	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	522.59	13.75				
AVERAGE HEAT CONTENT (BTU/LB)	12,403	12,000				
AVERAGE SULFUR CONTENT (%)	1.25	1.25				
AVERAGE ASH CONTENT (%)	13.00	13.00				
AVERAGE MOISTURE CONTENT (%)	6.00	6.00				
OIL: CONSUMPTION (1,000 BARRELS)		725.61	3,826.00	.14	1,692.17	
AVERAGE HEAT CONTENT (BTU/GAL)		149,691	147,000	151,500	140,776	
AVERAGE SULFUR CONTENT (%)		2.40	.78	1.85	.21	
GAS: CONSUMPTION (1,000 MCF)			69,811.00	5,634.42	29,388.68	
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,074	1,092	1,063	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	3	6	2	4	
- NO. OF WET BOTTOM	2					
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS		2	1			
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	1				
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	23.00 13.00 23.00	10.00 13.00	5.00	10.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00	99.50			
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH		80.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00	95.00				
TESTED, LOW - HIGH	97.90					
EST., LOW - HIGH	95.00	95.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	2.21	.10	.52	.18	
SULFUR DIOXIDE (1,000 TONS)	12.80	6.18	10.01	.77	
NITROGEN OXIDES (1,000 TONS)	7.84	1.72	22.05	1.10	8.13	
STACKS: - TOTAL NO.	2	5	6	2	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	300.00 175.00	300.00	200.00	201.50	134.00 146.00	200.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]				2.50			
TOTAL ASH: COLLECTED (1,000 TONS) [10]	61.14	1.65	.30			
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		52.00	1,600.00			
ELECTROSTATIC PRECIPITATORS ($1,000)	423.00	177.00				
COMBINATION PRECIPITATORS ($1,000) [4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	338.00	328.00	481.00	11.60	223.80	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	16.90	23.00	30.00			
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	16.90	23.00	70.00	.40		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WACCAMAW RIVER	COOPER RIVER	PACIFIC OCEAN	WELL	SANTA MONICA BAY	
AVERAGE RATE OF WITHDRAWAL (CFS)	176.00	184.00	1,970.00	2.20	888.00	
AVERAGE RATE OF DISCHARGE (CFS)	176.00	184.00	1,970.00	.62	888.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]		1.58	16.94	1.58	7.64	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL JAN	JUL FEB	AUG DEC	AUG DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 52.00	85.00 48.00				
AT OUTFALL, SUMMER - WINTER	90.00 57.00	93.00 54.00				
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	625.00	11,205.00				
- WINTER	2,302.00	21,200.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	C		C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.11	.30	.14	17.50 .03	.12	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	127.50	58.40		25.50	.04	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP		20.00				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	9.00		838.88	5.50	112.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	OT		ST	PS	
RECEIVING WATER BODY [19]		COOPER RIVER	SAN GABRIEL RIVER	SEEPAGE PIT		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.50		9.00		9.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80.00		250.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	47,000.00		1,220.00		460.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		3 272.80				
ONCE THROUGH COOLING (SALINE)			6 1,982.40		4 996.50	
COOLING POND(S)						
COOLING TOWER(S)				2 146.88		
COMBINATIONS [21]	2 163.20					
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1966	1953 1969	1956 1966	1961 1964	1954 1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	19.00	13.00 18.00	18.20 22.00	14.00	22.00 23.65	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	180.00	384.00	1,910.60	191.40	888.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	194.00	384.00	1,899.40		888.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,132.12	1,305.00	4,693.00		563.40
COOLING PONDS ($1,000)	300.00				
COOLING TOWERS ($1,000)				641.80	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	34.00	7.00	55.40	21.50	50.80
COST OF CHEMICAL ADDITIVES ($1,000)	1.80		26.30	20.80	8.70

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	12.60	30.00	20.90		3.00
COST OF CHEMICAL ADDITIVES ($1,000)	7.30	11.00	14.60	2.68	.11

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	
NAME OF PLANT	ETIWANDA	HIGHGROVE	HUNTINGTON BEACH	LONG BEACH	MANDALAY	
UTILITY-PLANT CODE	4505?C-1600	4505?0-2000	4505?0-2100	4505?0-2700	4505?0-3100	
STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	
COUNTY	SAN BERNARDINO	SAN BERNARDINO	ORANGE	LOS ANGELES	VENTURA	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	024 18	024 18	024 18	024 18	024 18	
PLANT CAPACITY (MW)	911.00	169.00	870.40	180.00	435.20	
ANNUAL GENERATION (MWH)[3]	4,154,000	92,849	3,851,600	2,173	2,835,200	
PLANT HEAT RATE (BTU/KWH)[3]	10,261	13,877	9,983	21,031	9,395	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	1,364.00	1,529.00	1,089.00		181.00	
AVERAGE HEAT CONTENT (BTU/GAL)	144,127	151,245	143,869		151,262	
AVERAGE SULFUR CONTENT (%)	.24	2.01	.20		1.38	
GAS: CONSUMPTION (1,000 MCF)	31,668.00	1,207.47	29,203.00	41.92	24,000.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,072	1,059	1,076	1,076	1,062	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	4	4	7	2	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 16.00	17.00	15.00	15.00	4.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.23	.26	.18		.03	
SULFUR DIOXIDE (1,000 TONS)	1.10	10.31	.73		.84	
NITROGEN OXIDES (1,000 TONS)	9.18	3.61	8.10	.01	5.08	
STACKS: - TOTAL NO.	4	4	2	4	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	176.00 199.00	70.00 99.00	203.00	247.50	200.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]						
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)						
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	214.00	61.30	169.40	98.60	92.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	18.30	.85	17.45			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MET. W.D AQUEDUCT	WELLS	SAN PEDRO CHANNEL	PACIFIC OCEAN	SANTA BARBRA CH.	
AVERAGE RATE OF WITHDRAWAL (CFS)	10.40	.83	633.00	5.00	384.00	
AVERAGE RATE OF DISCHARGE (CFS)	1.50	.05	633.00	5.00	384.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	8.90	.78	5.44	.04	3.30	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG DEC	AUG DEC		AUG JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER						
AT OUTFALL, SUMMER - WINTER						
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
- WINTER						
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	O	O	C	O	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.11	.07	.13	.08	.60	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	52.00	.01	.03	.30	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	76.00	4.00	28.36		14.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	ST	ST	
RECEIVING WATER BODY[19]	SEEPAGE PIT	SEEPAGE PIT		CERRITOS CHANNEL	SEEPAGE PIT	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)									
ONCE THROUGH COOLING (SALINE)					4 870.40	2 180.00	2 435.20		
COOLING POND(S)									
COOLING TOWER(S)	4 911.00	4 169.00							
COMBINATIONS[21]									
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1963	1952 1955	1958 1961	1951	1959				
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.00 21.00	15.50	23.00 24.00	20.00	23.00				
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	870.00	266.00	755.00	712.00	384.00				
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			755.00	712.00	394.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			703.00		1,216.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)	1,592.00	866.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	335.00	27.00	91.80	3.61	117.00	
COST OF CHEMICAL ADDITIVES ($1,000)	55.40	9.00	6.32		5.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	8.00	124.00	12.16	27.00	
COST OF CHEMICAL ADDITIVES ($1,000)	5.30	7.30	1.78	1.40	1.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN ELECTRIC GENERATING CO.	SOUTHERN INDIANA G. E. CO.		
4	NAME OF PLANT	REDONDO	SAN BERNARDINO	SAN ONOFRE	GASTON	CULLEY		
5	UTILITY-PLANT CODE	4585[illegible]-3900	4585[illegible]-4100	4585[illegible]-4300	4810[illegible]-0100	4520[illegible]-0100		
6	STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	ALABAMA	INDIANA		
7	COUNTY	LOS ANGELES	SAN BERNARDINO	SAN DIEGO	SHELBY	WARRICK		
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	024 18	024 18	029 18	004 03	077 05		
9	PLANT CAPACITY (MW)	1,579.45	130.56	450.00	1,000.00	153.70		
10	ANNUAL GENERATION (MWH)[3]	7,600,500	458,300	2,607,100	8,223,500	895,200		
11	PLANT HEAT RATE (BTU/KWH)[3]	9,476	10,769	10,681	9,366	11,124		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)				3,275.00	458.40		
13	AVERAGE HEAT CONTENT (BTU/LB)				11,766	10,864		
14	AVERAGE SULFUR CONTENT (%)				.90	4.30		
15	AVERAGE ASH CONTENT (%)				13.63	13.63		
16	AVERAGE MOISTURE CONTENT (%)				7.11	12.67		
17	OIL: CONSUMPTION (1,000 BARRELS)	3,049.39	19.36		3.06			
18	AVERAGE HEAT CONTENT (BTU/GAL)	145,143	150,981		139,500			
19	AVERAGE SULFUR CONTENT (%)	.22	1.60		.35			
20	GAS: CONSUMPTION (1,000 MCF)	55,437.63	4,538.02					
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,067	1,061					

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	11	2		4	2		
23	- NO. OF WET BOTTOM					2		
24	- NO. WITH FLY ASH REINJECTION							
25	- NO. WITH MECHANICAL PRECIPITATORS					2		
26	- NO. WITH ELECTROSTATIC PRECIPITATORS				3			
27	- NO. WITH COMBINATION PRECIPITATORS[4]				1			
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 12.50	4.75		23.00	24.00 26.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					85.00		
31	TESTED, LOW - HIGH							
32	ESTIMATED, LOW - HIGH					85.00		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				95.00 99.00			
34	TESTED, LOW - HIGH				42.00 95.50			
35	EST., LOW - HIGH				40.00 84.00			
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.51			110.85	6.09		
40	SULFUR DIOXIDE (1,000 TONS)	2.25	.10		57.72	38.63		
41	NITROGEN OXIDES (1,000 TONS)	17.54	.93		29.45	6.88		
42	STACKS: - TOTAL NO.	8	2		4	2		
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00 201.50	130.00		250.00	249.00 276.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]				329.90	54.90		
46	SOLD (1,000 TONS)[11]				38.00			
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					98.00		
51	ELECTROSTATIC PRECIPITATORS ($1,000)							
52	COMBINATION PRECIPITATORS ($1,000)[4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	563.30	10.68		642.00	164.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				85.00	45.00		
56	REVENUES FROM SALE OF ASH ($1,000)		.00					
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	7.00	. .		85.00	45.00		
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	PACIFIC OCEAN	WELLS	PACIFIC OCEAN	COOSA RIVER	OHIO RIVER		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1,759.00	1.67	793.27	1,420.00	210.30		
63	AVERAGE RATE OF DISCHARGE (CFS)	1,759.00	.49	793.00	1,419.69	210.30		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	15.13	1.18	6.82 .27	12.21 .31	1.81		
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG FEB	JUN DEC	JUN DEC	AUG DEC		
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER				95.00 58.00	84.00 50.00		
67	AT OUTFALL, SUMMER - WINTER				114.00 78.00	99.00 74.00		
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		6.07		6,002.00	40,000.00		
69	- WINTER		2.37			188,000.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C[16]	C	C	C	D	H		
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.18	.04	.12		.10		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.21		.02	96.00	11.25		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					4.50		
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				22.00	.90		
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		136.92		1.35	13.00		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES YES	NO YES	YES		
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	PS	ST	OT	ST/OT	ST		
78	[19] RECEIVING WATER BODY			PACIFIC OCEAN	COOSA RIVER			
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50			10.20	10.50		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				5.00	90.00		
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					627.48		
82	- ASH SETTLING				315,000.00			

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				4 1,000.00	2 153.70		
84	ONCE THROUGH COOLING (SALINE)	8 1,579.45		1 450.00				
85	COOLING PONDS(S)							
86	COOLING TOWERS		2 130.56					
87	COMBINATIONS[21]							
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1967	1957 1958	1966	1960 1962	1955 1966		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00 22.00	16.10	18.00	12.98 14.47	13.30 18.10		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,735.20	173.00	793.00	1,286.00	241.77		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,733.00		793.00	1,420.00	254.50		

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	8,164.00		6,847.00	5,898.00	688.00		
93	COOLING PONDS ($1,000)							
94	COOLING TOWERS ($1,000)		369.00					

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	55.00	11.89	28.29	11.30	23.00		
96	COST OF CHEMICAL ADDITIVES ($1,000)	.05	36.59	1.35		1.82		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	44.60	15.55		108.00	11.50		
98	COST OF CHEMICAL ADDITIVES ($1,000)	.15	30.25		24.00	5.81		

[99] ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	SOUTHERN INDIANA G. E. CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	
4	NAME OF PLANT	OHIO RIVER	CARLSBAD	CUNNINGHAM	DENVER CITY	EAST PLANT		
5	UTILITY-PLANT CODE	4529?C-03?C	4538?C-02?C	4538?C-04?C	4538?C-05?C	4538?C-06?C		
6	STATE	INDIANA	NEW MEXICO	NEW MEXICO	TEXAS	TEXAS		
7	COUNTY	VANDERBURGH	EDDY	LEA	YOAKUM	POTTER		
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	077 05	155 13	155 13	211 12	211 11		
9	PLANT CAPACITY (MW)	121.50	44.30	265.40	57.50	71.00		
10	ANNUAL GENERATION (MWH) 3/	433,800	151,300	1,174,100	449,400	257,900		
11	PLANT HEAT RATE (BTU/KWH) 3/	14,598	14,100	9,850	13,968	13,761		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	295.00						
13	AVERAGE HEAT CONTENT (BTU/LB)	10,750						
14	AVERAGE SULFUR CONTENT (%)	5.09						
15	AVERAGE ASH CONTENT (%)	14.99						
16	AVERAGE MOISTURE CONTENT (%)	11.48						
17	OIL: CONSUMPTION (1,000 BARRELS)							
18	AVERAGE HEAT CONTENT (BTU/GAL)		140,000		138,000	138,000		
19	AVERAGE SULFUR CONTENT (%)							
20	GAS: CONSUMPTION (1,000 MCF)		2,133.00	11,573.00	7,597.00	3,516.00		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000	1,000	1,118	906		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	8	5	2	6	7		
23	- NO. OF WET BOTTOM							
24	- NO. WITH FLY ASH REINJECTION							
25	- NO. WITH MECHANICAL PRECIPITATORS	4						
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							
27	- NO. WITH COMBINATION PRECIPITATORS 4/							
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	5.00 6.00	10.00	10.00	10.00	2.50 5.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	76.00						
31	TESTED, LOW - HIGH							
32	ESTIMATED, LOW - HIGH	76.00						
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH							
34	TESTED, LOW - HIGH							
35	EST., LOW - HIGH							
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	11.03						
40	SULFUR DIOXIDE (1,000 TONS)	29.43						
41	NITROGEN OXIDES (1,000 TONS)	2.61	.42	2.26	1.48	.76		
42	STACKS: - TOTAL NO.	3	5	2	6	5		
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	250.00	53.00	136.00 146.00	57.00 96.00	50.00 80.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/							
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	33.00						
46	SOLD (1,000 TONS) 11/							
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	39.00						
51	ELECTROSTATIC PRECIPITATORS ($1,000)							
52	COMBINATION PRECIPITATORS ($1,000) 4/							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	153.00	9.35	36.60	22.60	13.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	11.00						
56	REVENUES FROM SALE OF ASH ($1,000)							
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	11.00						
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	OHIO RIVER	PECOS RIVER	DEEP WELLS	DEEP WELLS	DEEP WELLS		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	200.00	83.30	3.49	2.14	1.06		
63	AVERAGE RATE OF DISCHARGE (CFS)	200.00	83.30	.78	.76	.27		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	1.72	.40	2.71	1.38	.79		
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL NOV	AUG FEB					
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 59.00	83.00 45.00					
67	AT OUTFALL, SUMMER - WINTER	100.00 73.00	84.00 55.00					
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	44,000.00	7.00					
69	- WINTER	136,000.00	6.00					
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C 16/	C	C					
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	4.00	.65	.31	.25	.10		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.30	.11		.07	.07		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	6.50		7.33	15.85			
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	10.00	1.52	5.68	4.68	1.52		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	NO YES	YES YES	YES NO	YES YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	PS	ST	ST	PS		
78	19/ RECEIVING WATER BODY							
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	11.00 9.00						
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	500.00 300.00						
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	.80						
82	- ASH SETTLING	700.00						

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)	7 121.50						
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING POND(S)							
86	COOLING TOWER(S)			2 265.40	4 87.50	5 71.10		
87	COMBINATIONS 21/		3 44.30					
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1928 1950	1930 1949	1957 1965	1942 1955	1951		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	15.00	12.00 13.00	15.00	13.00 15.00	15.00		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	686.00	131.50	355.60	216.60	80.00		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	345.00						

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	154.00						
93	COOLING PONDS ($1,000)							
94	COOLING TOWERS ($1,000)		396.60	1,421.60	717.00	530.60		

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	80.00	8.10	21.60	24.60	13.50		
96	COST OF CHEMICAL ADDITIVES ($1,000)	1.00	.18	13.70	14.00	6.10		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.00	3.40	23.80	23.20	16.10		
98	COST OF CHEMICAL ADDITIVES ($1,000)	3.00	1.60	.90	1.50	.35		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	
NAME OF PLANT	MOORE	NICHOLS	PLANT X	RIVERVIEW	ROSWELL	
UTILITY-PLANT CODE	453000-1000	453000-1100	453000-1300	453000-1400	453000-1500	
STATE	TEXAS	TEXAS	TEXAS	TEXAS	NEW MEXICO	
COUNTY	MOORE COUNTY	POTTER	LAMB	HUTCHINSON	CHAVES	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	211 11	211 11	211 11	211 12	155 13	
PLANT CAPACITY (MW)	68.20	474.70	434.40	69.50	24.20	
ANNUAL GENERATION (MWH)[3]	356,100	1,532,200	1,949,500	140,600	76,610	
PLANT HEAT RATE (BTU/KWH)[3]	12,322	10,347	10,220	13,689	15,121	
AIR QUALITY CONTROL DATA						
FUEL CONSUMPTION DATA (ANNUAL)						
COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)					17.00	
AVERAGE HEAT CONTENT (BTU/GAL)			140,000		130,000	
AVERAGE SULFUR CONTENT (%)						
GAS: CONSUMPTION (1,000 MCF)	4,736.00	17,057.00	19,923.00	1,637.00	1,044.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	925	928	1,000	1,177	1,000	
PLANT EQUIPMENT DATA						
BOILERS: - TOTAL NO.	2	3	4	9	3	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	10.00	10.00	10.00	10.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
PLANT OPERATING DATA AND COST OF EQUIPMENT						
EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)						
SULFUR DIOXIDE (1,000 TONS)						
NITROGEN OXIDES (1,000 TONS)	.92	3.32	3.89	.32	.24	
STACKS: - TOTAL NO.	2	3	6	5	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	58.00 97.00	160.00	85.00 153.00	80.00	49.00 59.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]						
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	10.98	61.00	61.18	17.30	9.60	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						
WATER QUALITY CONTROL DATA						
COOLING WATER: SOURCE	DEEP WELLS	SEWAGE EFFLUENT	DEEP WELLS	CITY WATER	DEEP WELLS	
AVERAGE RATE OF WITHDRAWAL (CFS)	1.39	5.42	6.23	.77	.56	
AVERAGE RATE OF DISCHARGE (CFS)	.23	1.07	2.24	.16	.25	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.16	4.35	3.99	.62	.35	
PEAK LOAD MONTH : SUMMER - WINTER[15]						
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER						
AT OUTFALL, SUMMER - WINTER						
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
- WINTER						
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C[16]						
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.21	.63	.67	.05	.14	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	14.90	167.86		.03	
LIME (TONS), COOLING WATER - BOILER MAKEUP	6.93	1,171.59		4.98		
ALUM (TONS), COOLING WATER - BOILER MAKEUP		56.25				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.65	70.32	13.25	1.15	.34	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	PS	
[19] RECEIVING WATER BODY						
POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING						
COOLING FACILITY DATA						
NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)	2 68.20	3 474.70	4 434.00	4 69.50	2 24.20	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1954	1960 1968	1964	1939 1947	1950	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00 18.00	15.00	15.00	15.00	11.00 14.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	163.70	626.50	222.20	136.50	70.90	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						
CAPITAL COSTS OF COOLING FACILITIES						
ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)	706.10	2,679.50	2,784.10	327.40	193.60	
ANNUAL COOLING WATER EXPENSES						
OPERATION AND MAINTENANCE EXPENSES ($1,000)	17.50	35.80	32.80	18.95	18.00	
COST OF CHEMICAL ADDITIVES ($1,000)	6.80	54.10	44.70	4.26	2.25	
ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.10	54.90	14.60	10.89	11.00	
COST OF CHEMICAL ADDITIVES ($1,000)	.47	2.40	7.80	.27	1.40	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWESTERN ELECTRIC POWER CO.	SOUTHWESTERN ELECTRIC POWER CO.	SOUTHWESTERN ELECTRIC POWER CO.	SOUTHWESTERN ELECTRIC POWER CO.
NAME OF PLANT	TUCO	ARSENAL HILL	KNOX LEE	LIEBERMAN	LONE STAR
UTILITY-PLANT CODE	453000-1600	454000-0100	454000-0200	454000-0300	454000-0400
STATE	TEXAS	LOUISIANA	TEXAS	LOUISIANA	TEXAS
COUNTY	HALE	CADDO	GREGG	CADDO	MORRIS
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	211 12	022 11	022 12	022 11	022 11
PLANT CAPACITY (MW)	40.00	170.00	186.00	277.20	50.00
ANNUAL GENERATION (MWH)[3]		408,115	1,223,700	1,289,800	326,800
PLANT HEAT RATE (BTU/KWH)[3]		11,373	12,005	10,380	12,133

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)				.11		
OIL: CONSUMPTION (1,000 BARRELS)				146.00		
AVERAGE HEAT CONTENT (BTU/GAL)				.10		
AVERAGE SULFUR CONTENT (%)		4,349.00	14,205.00	12,710.00	3,842.00	
GAS: CONSUMPTION (1,000 MCF)		1,067	1,034	1,053	1,031	
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.		9	4	4	1	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]		7.00 15.00	7.00 8.00	15.00 17.00	7.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)						
SULFUR DIOXIDE (1,000 TONS)		.85	2.77	2.48	.75	
NITROGEN OXIDES (1,000 TONS)		4	4	5	1	
STACKS: - TOTAL NO.		155.00 273.00	100.00 130.00	125.00 140.00	140.00	
- HEIGHT (FEET), LOWEST - HIGHEST[8]						
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]						
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)		70.70	44.00	41.00	13.94	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE		CITY WATER	CHEROKEE LAKE	CADDO LAKE	ELLISON CREEK RES	
AVERAGE RATE OF WITHDRAWAL (CFS)			403.00	260.00	110.00	
AVERAGE RATE OF DISCHARGE (CFS)			403.00	260.00	110.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]						
PEAK LOAD MONTH : SUMMER - WINTER[15]		JUL DEC	JUL DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		99.00 87.00	92.00 86.00	97.00 52.00	92.00 89.00	
AT OUTFALL, SUMMER - WINTER		118.00 110.00	104.00 68.00	110.00 70.00	102.00 88.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
- WINTER						
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, C[16]		C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP				55.88		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP						
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		.75	1.90	.30	4.13	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]		NO NO		NO YES	NO NO	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]		PS	ST	ST	OT	
RECEIVING WATER BODY[19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)		5 170.00	4 186.00	4 277.20	1 50.00	
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM		1960	1950 1956	1947 1959	1953	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		10.00 18.00	8.40 15.80	12.00 18.00	14.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		468.00	435.00	416.00	122.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)		187.80		723.70		
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		5.00	2.00	3.00	2.00	
COST OF CHEMICAL ADDITIVES ($1,000)		.20	.50		1.10	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		3.00	3.00	5.00	5.00	
COST OF CHEMICAL ADDITIVES ($1,000)		2.30		2.80		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	SOUTHWESTERN ELECTRIC POWER CO.	SPRINGFIELD WATER LIGHT & POWER DEPT.	SPRINGFIELD WATER LIGHT & POWER DEPT.	ST. JOSEPH LIGHT & POWER CO.	ST. JOSEPH LIGHT & POWER CO.		
NAME OF PLANT	WILKES	DALLMAN	LAKESIDE	EDMOND	LAKEPEAD		
UTILITY-PLANT CODE	454300-0500	457000-0120	457000-0200	460000-0100	460000-0200		
STATE	TEXAS	ILLINOIS	ILLINOIS	MISSOURI	MISSOURI		
COUNTY	MARION	SANGAMON	SANGAMON	BUCHANAN	BUCHANAN		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	022 11	075 07	075 07	094 10	094 10		
PLANT CAPACITY (MW)	179.50	90.25	155.00	42.50	150.50		
ANNUAL GENERATION (MWH)[3]	1,461,400	315,713	459,412	24,400	779,000		
PLANT HEAT RATE (BTU/KWH)[3]	9,981	11,462	13,257	21,632	11,367		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		227.40	276.60	3.62	33.90		
AVERAGE HEAT CONTENT (BTU/LB)		10,531	10,527	10,732	10,989		
AVERAGE SULFUR CONTENT (%)		3.69	3.69	3.03	3.35		
AVERAGE ASH CONTENT (%)		10.70	10.78	6.99	8.87		
AVERAGE MOISTURE CONTENT (%)		14.40	14.35	15.31	15.31		
OIL: CONSUMPTION (1,000 BARRELS)				.30	4.30		
AVERAGE HEAT CONTENT (BTU/GAL)				149,354	150,564		
AVERAGE SULFUR CONTENT (%)				1.55	1.60		
GAS: CONSUMPTION (1,000 MCF)	13,542.00			726.70	10,619.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,033			971	974		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	1	8	5	6		
- NO. OF WET BOTTOM		1	2		1		
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS		1	6	2	3		
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]							
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	7.00	15.00	15.00 20.00	10.00 33.00	10.00 25.00		
TESTED, LOW - HIGH		82.00		93.00	70.00 85.70		
ESTIMATED, LOW - HIGH		84.30					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		85.00	70.00 80.00	93.00	70.00 85.70		
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.36	3.60	.01	.18		
SULFUR DIOXIDE (1,000 TONS)		16.45	20.18	.22	2.25		
NITROGEN OXIDES (1,000 TONS)	2.64	6.25	6.37	.17	2.80		
STACKS: - TOTAL NO.	2	1	8	3	6		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	161.00	300.00	125.00	75.00 189.00	92.00 225.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]		23.50	26.30	.14	3.01		
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)		125.00	74.80	23.20	176.10		
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	37.00	230.00	212.00	145.89	270.60		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		29.10	82.10	1.33	2.20		
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		23.10	82.10	1.33	2.20		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	JOHNSON CREEK RES	LAKE SPRINGFIELD	LAKE SPELD	MISSOURI RIVER	MISSOURI R/WELLS		
AVERAGE RATE OF WITHDRAWAL (CFS)	167.00	102.00	146.70	6.70	82.80		
AVERAGE RATE OF DISCHARGE (CFS)	167.00	102.00	146.70	6.70	81.80		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		.88	1.26	.06	.71 1.00		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL NOV	JUL NOV	JUL JAN	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.00 59.00	90.00 55.00	94.00 60.00	86.00 36.00	86.00 36.00		
AT OUTFALL, SUMMER - WINTER	117.00 79.00	104.00 77.00	101.00 69.00	100.00 60.00	105.00 96.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER				67,129.00	67,129.00		
- WINTER				18,097.00	18,097.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	C			O	H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.20	1.20	5.13	14.30 5.84		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			10.00	.30	.20		
LIME (TONS), COOLING WATER - BOILER MAKEUP				59.55	316.25		
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	7.00	.10	.15	.30	3.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	NO ND	YES	YES	YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, DT[18]	ST	PS	PS	PS	DT		
[19] RECEIVING WATER BODY							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		9.00	9.00				
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		4.00	4.00				
- ASH SETTLING		23,028.00	44,500.00				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		1 90.25	7 155.00	3 42.50	1 90.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)	1 179.50						
COOLING TOWER(S)					3 60.50		
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1964	1968	1935 1965	1920 1949	1951 1967		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	21.00	15.00	13.65 14.11	12.00 13.00	12.20 18.30		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	167.00	137.00	339.00	129.23	269.30		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		156.00	481.00	129.30	114.60		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		258.00	510.00	175.00	580.10		
COOLING PONDS ($1,000)	1,112.00						
COOLING TOWERS ($1,000)					218.70		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.00	21.50	29.50	.94	8.30		
COST OF CHEMICAL ADDITIVES ($1,000)	1.60	.10	.10	.08	9.40		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.00	5.00	23.00	8.75	69.80		
COST OF CHEMICAL ADDITIVES ($1,000)		.40	3.90	6.22	17.90		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	TACOMA DEPT. OF PUBLIC UTILS.	TALLAHASSEE, CITY OF	TAMPA ELECTRIC CO.	TAMPA ELECTRIC CO.	TAUNTON MUNICIPAL LIGHTING PLT.		1
2								2
3								3
4	NAME OF PLANT	STEAM #2	PURDOM	GANNON	HOOKERS POINT	CLEARY		4
5	UTILITY-PLANT CODE	473000-8000	4735CC-C1CC	474CCC-C1CC	474CCC-C2CC	475CCC-C1CC		5
6	STATE	WASHINGTON	FLORIDA	FLORIDA	FLORIDA	MASSACHUSETTS		6
7	COUNTY	PIERCE	WAKULLA	HILLSBOROUGH	HILLSBOROUGH	BRISTOL		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	229 17	049 03	052 03	052 03	120 01		8
9	PLANT CAPACITY (MW)	59.00	118.00	1,315.00	225.00	28.30		9
10	ANNUAL GENERATION (MWH)[3]	131	541,800	4,554,000	821,200	126,400		10
11	PLANT HEAT RATE (BTU/KWH)[3]		13,189	12,477	12,475	12,565		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)			2,286.00				12
13	AVERAGE HEAT CONTENT (BTU/LB)			11,280				13
14	AVERAGE SULFUR CONTENT (%)			3.83				14
15	AVERAGE ASH CONTENT (%)			11.82				15
16	AVERAGE MOISTURE CONTENT (%)			9.75				16
17	OIL: CONSUMPTION (1,000 BARRELS)	.43	231.80		1,627.00	250.00		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	151,570	154,482		149,923	150,959		18
19	AVERAGE SULFUR CONTENT (%)	2.00	1.50		1.88	2.10		19
20	GAS: CONSUMPTION (1,000 MCF)		5,431.60					20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,045					21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	7	6	6	2		22
23	- NO. OF WET BOTTOM			6				23
24	- NO. WITH FLY ASH REINJECTION			6				24
25	- NO. WITH MECHANICAL PRECIPITATORS	2						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			6				26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	13.00	10.00 15.00	13.00 16.00	13.00 20.00	10.00 15.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			90.00 98.50				33
34	TESTED, LOW - HIGH			91.30 99.30				34
35	EST., LOW - HIGH			96.00 99.50				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.04	1.55	.27	.04		39
40	SULFUR DIOXIDE (1,000 TONS)		1.17	171.61	10.26	1.76		40
41	NITROGEN OXIDES (1,000 TONS)		1.57	49.50	3.59	.55		41
42	STACKS: - TOTAL NO.	2	6	7	4	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	138.00 84.00	180.00	200.00 376.00	150.00 173.00	82.00 129.83		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]					.02		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			1,434.00				51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	30.00	90.00	288.00	184.00	22.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					1.50		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					1.50		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	HYLEBOS WATERWAY	ST. MARKS RIVER	TAMPA BAY	TAMPA BAY	TAUNTON RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	.50	262.80	1,961.00	390.00	38.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	.50	262.80	1,961.00	390.00	38.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		2.26	16.86	3.35	.33		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]		JUL JAN	JUL JAN	JUL JAN	JUL DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	58.00 48.00	78.00 63.00	89.00 68.00	89.00 63.00	87.00 33.00		66
67	AT OUTFALL, SUMMER - WINTER	48.00	86.00 69.00	101.00 79.00	110.00 82.00	99.00 45.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		378.80			58.00		68
69	- WINTER		325.00			58.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C[16]	C	H	O	O	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.01	.72	2.40	1.36	.18		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	.49	705.50	2.18	.13		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]		10.00 .15	210.00	64.00	18.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	SW	ST	OT	PS	ST		77
78	RECEIVING WATER BODY[19]	HYLEBOS WATERWAY		TAMPA BAY		LEACHING FIELD		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		7 118.00					83
84	ONCE THROUGH COOLING (SALINE)	2 59.00		6 1,270.38	5 232.60	1 28.00		84
85	COOLING POND(S)							85
86	COOLING TOWER(S)							86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1931	1952 1966	1957 1967	1948 1955	1966		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		13.00 15.00	12.00 16.00	14.40 18.10	20.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	131.00	286.40	1,961.00	390.40	58.80		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	131.00	367.00	1,961.00	327.40	58.80		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	103.00	750.00	4,164.00	2,561.00	250.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		1.74	68.50	29.70	11.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		1.20	21.40	7.66	2.20		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		5.68	116.00	26.30	30.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	7.65	8.75	48.00	6.50	100.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	TAUNTON MUNICIPAL LIGHTING PLT.	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	
4	NAME OF PLANT	TAUNTON	ALLEN	BULL RUN	COLBERT A	COLBERT B	
5	UTILITY-PLANT CODE	475000-C200	477000-0100	477000-0500	477000-0900	477000-0905	
6	STATE	MASSACHUSETTS	TENNESSEE	TENNESSEE	ALABAMA	ALABAMA	
7	COUNTY	BRISTOL	SHELBY	ANDERSON	COLBERT	COLBERT	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	120 C1	018 D8	207 C6	007 C6	007 C6	
9	PLANT CAPACITY (MW)	49.00	990.00	950.00	846.50	550.00	
10	ANNUAL GENERATION (MWH) [3]	134,300	5,161,100	4,139,500	5,053,500	3,274,900	
11	PLANT HEAT RATE (BTU/KWH) [3]	15,206	9,540	8,910	9,600	9,420	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		1,381.80	1,931.90	2,049.50	1,343.00	
13	AVERAGE HEAT CONTENT (BTU/LB)		12,068	11,730	11,417	11,439	
14	AVERAGE SULFUR CONTENT (%)		2.83	2.12	4.04	4.10	
15	AVERAGE ASH CONTENT (%)		9.44	13.39	13.32	13.45	
16	AVERAGE MOISTURE CONTENT (%)		8.71	6.21	7.89	7.44	
17	OIL: CONSUMPTION (1,000 BARRELS)	427.00	.57	44.94	3.98	3.12	
18	AVERAGE HEAT CONTENT (BTU/GAL)	151,050	138,789	137,388	137,226	137,365	
19	AVERAGE SULFUR CONTENT (%)	2.10	.14	.20	.20	.20	
20	GAS: CONSUMPTION (1,000 MCF)		18,239,40				
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,046				

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	7	3	1	4	1	
23	- NO. OF WET BOTTOM		3				
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS	1			4		
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		3	1		1	
27	- NO. WITH COMBINATION PRECIPITATORS [4]						
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	13.00	20.00	20.00	20.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				85.00		
31	TESTED, LOW - HIGH				67.00		
32	ESTIMATED, LOW - HIGH	80.00			67.00		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		90.00	99.00		90.00	
34	TESTED, LOW - HIGH		70.00	98.70		80.00	
35	EST., LOW - HIGH		52.50 70.00	98.60		80.00	
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.06	5.48	3.08	58.54	23.48	
40	SULFUR DIOXIDE (1,000 TONS)	3.01	76.64	80.32	162.25	107.92	
41	NITROGEN OXIDES (1,000 TONS)	.94	41.55	17.49	15.37	10.07	
42	STACKS: - TOTAL NO.	4	3	1	4	1	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	94.00 250.00	400.00	800.00	300.00	500.00	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	.06				.12	
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	.04	104.30	256.30	205.00	153.00	
46	SOLD (1,000 TONS) [11]					14.40	
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				319.60		
51	ELECTROSTATIC PRECIPITATORS ($1,000)			1,701.00		744.00	
52	COMBINATION PRECIPITATORS ($1,000) [4]						
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)	157.00		1,224.00	524.00	427.00	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	5.50	184.00	253.00	214.00	174.00	
56	REVENUES FROM SALE OF ASH ($1,000)						
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	5.50	184.00	253.00	214.00	174.00	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		13.00		30.00		

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	TAUNTON PIVER	MISSISSIPPI RIVER	CLINCH RIVER	TENNESSEE RIVER	TENNESSEE RIVER	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	93.00	696.00	658.00	1,149.00	593.00	
63	AVERAGE RATE OF DISCHARGE (CFS)	93.00	695.00	657.00	1,143.00	589.00	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.80	1.00 5.99	1.00 5.66	6.00 9.88	4.00 5.10	
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	AUG NOV	JUL DEC	JUN JAN	JUN JAN	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 38.00	83.00 68.00	61.00 53.00	81.00 46.00	81.00 46.00	
67	AT OUTFALL, SUMMER - WINTER	98.00 48.00	103.00 88.00	79.00 71.00	94.00 59.00	95.00 60.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	93.00	349,000.00	4,300.00	29,450.00	29,450.00	
69	- WINTER	93.00	293,500.00	2,870.00	128,000.00	128,000.00	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	H	H	C	H	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.96			.50		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	3.11	23.00	52.50	70.03		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				14.70		
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	21.00	26.00		.98		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	PS	OT	ST	ST	
78	[19] RECEIVING WATER BODY			CLINCH RIVER	TENNESSEE RIVER	TENNESSEE RIVER	
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.50	6.90	11.90		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		28.00	110.00	107.00		
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82	- ASH SETTLING		39,000.00	49,000.00	342,000.00		

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 44.00	3 990.00	1 950.00	4 846.50	1 550.00	
84	ONCE THROUGH COOLING (SALINE)						
85	COOLING POND(S)						
86	COOLING TOWER(S)						
87	COMBINATIONS [21]						
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1933 1958	1958 1959	1966	1954 1955	1962	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00 20.00	20.00	17.90	13.20	14.40	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	94.60	768.60	885.60	1,270.00	654.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	94.60	848.88	950.76	1,354.64	695.14	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	515.00		2,042.00	2,688.00	1,694.00	
93	COOLING PONDS ($1,000)						
94	COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	12.00	37.00	9.00	46.00	32.00	
96	COST OF CHEMICAL ADDITIVES ($1,000)	2.50	3.00				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.00	5.00	1.00	36.00	35.00	
98	COST OF CHEMICAL ADDITIVES ($1,000)	750.00	9.00	28.00	23.00	23.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	
NAME OF PLANT	GALLATIN	SEVIER	JOHNSONVILLE	KINGSTON	PARADISE	
UTILITY-PLANT CODE	47700C-1400	47700C-1800	47700-1900	47700C-2100	47700C-3000	
STATE	TENNESSEE	TENNESSEE	TENNESSEE	TENNESSEE	KENTUCKY	
COUNTY	SUMNER	HAWKINS	HUMPHREYS	ROANE	MUHLENBERG	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	208 05	207 06	208 06	207 06	072 05	
PLANT CAPACITY (MW)	1,255.20	823.25	1,485.20	1,700.00	2,558.20	
ANNUAL GENERATION (MWH) [3]	7,133,700	4,587,400	4,030,800	9,469,800	8,915,000	
PLANT HEAT RATE (BTU/KWH) [3]	9,280	9,400	10,480	9,680	9,250	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	2,823.60	1,859.70	3,531.50	3,926.90	4,577.30	
AVERAGE HEAT CONTENT (BTU/LB)	11,278	11,937	11,277	11,253	10,536	
AVERAGE SULFUR CONTENT (%)	3.61	1.62	3.72	2.10	4.10	
AVERAGE ASH CONTENT (%)	14.35	13.24	12.91	16.91	17.49	
AVERAGE MOISTURE CONTENT (%)	7.91	5.75	8.94	6.03	8.77	
OIL: CONSUMPTION (1,000 BARRELS)	5.95	3.78	7.06	15.93	101.10	
AVERAGE HEAT CONTENT (BTU/GAL)	137,730	137,447	137,341	137,947	137,540	
AVERAGE SULFUR CONTENT (%)	.20	.12	.14	.41	.26	
GAS: CONSUMPTION (1,000 MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	4	10	9	3	
- NO. OF WET BOTTOM					3	
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	2	4	10		3	
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS [4]	2			9		
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00	20.00	18.00 20.00	16.00 20.00	16.00 20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	72.00 84.00	85.00	85.00 86.00			
TESTED, LOW - HIGH	74.00		70.00 81.00			
ESTIMATED, LOW - HIGH	47.00 74.00	67.00	70.00 81.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	98.60 99.20			99.30	98.00	
TESTED, LOW - HIGH	92.00 95.00			95.00	98.00	
EST., LOW - HIGH	95.80 98.70			98.40 98.50	96.90 97.60	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	73.93	69.07	89.81	8.83	2.07	
SULFUR DIOXIDE (1,000 TONS)	199.78	59.06	257.47	161.62	367.81	
NITROGEN OXIDES (1,000 TONS)	25.41	16.74	29.45	35.34	125.87	
STACKS: - TOTAL NO.	2	2	8	9	3	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	500.00	350.00 270.00	400.00	250.00 300.00	600.00 800.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	302.90	185.10	371.00	655.80	766.70	
SOLD (1,000 TONS) [11]				20.90		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	229.00	282.40	731.00		6,698.00	
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]	[illegible]			[illegible]		
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	715.00	372.00	360.00	1,098.00	962.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	348.00	140.00	309.00	391.00	670.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	348.00	140.00	309.00	391.00	670.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	1.00			42.00		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	CUMBERLAND RIVER	HOLSTON RIVER	TENNESSEE RIVER	CLINCH RIVER	GREEN RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	1,181.00	935.00	2,099.00	1,927.00	887.00	
AVERAGE RATE OF DISCHARGE (CFS)	1,164.00	930.00	2,086.00	1,907.00	857.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]						
PEAK LOAD MONTH : SUMMER - WINTER [15]	10.16 17.00	8.04 5.00	18.05 13.00	16.57 20.00	30.00	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	JUN JAN	AUG JAN	JUN DEC	JUL JAN	JUL MAR	
AT OUTFALL, SUMMER - WINTER	68.00 48.00	79.00 49.00	85.00 50.00	75.00 53.00	79.00 50.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	82.00 62.00	96.00 66.00	97.00 62.00	90.00 68.00	77.00	
- WINTER	15,400.00	3,070.00	34,000.00	4,730.00	6,250.00	
	6,800.00	2,880.00	47,000.00	5,070.00	7,400.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.65	.80	5.00	2.10		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.10	1.32	1.98	110.62	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP	21.45	7.00	2.78	49.00		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.53	100.00 1.05	.38	32.00 .23	20.72	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	ST	ST	ST	OT	
POND DISCHARGE: [19] RECEIVING WATER BODY	CUMBERLAND RIVER	HOLSTON RIVER	TENNESSEE RIVER	EMORY RIVER		
PH, BOILER BLOWDOWN - ASH SETTLING	9.50	8.40	10.80	4.10	6.80	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	24.00	50.00	30.00	19.00	270.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING	635,000.00	195,000.00	487,000.00	732,000.00	132,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	4 1,255.20	4 823.25	10 1,485.20	9 1,700.00		
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)					1 1,150.20	
COOLING TOWER(S)					2 1,408.00	
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1956 1959	1955 1957	1951 1959	1954 1955	1963 1969	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	11.30 15.60	17.00	12.40 13.30	15.20 15.50	26.00 28.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,320.00	1,011.60	2,293.00	2,154.50	1,634.80	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,417.00	1,105.08	2,486.48	2,323.83	1,144.86	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,924.00	3,528.00	5,082.00	5,157.00	2,890.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	23.00	30.00	37.00	40.00	80.00	
COST OF CHEMICAL ADDITIVES ($1,000)		12.00		3.00	2.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	49.00	66.00	62.00	62.00	10.00	
COST OF CHEMICAL ADDITIVES ($1,000)	12.00	4.00	16.00	15.00	27.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1969

1 NAME OF UTILITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TEXAS ELECTRIC SERVICE CO.	
4 NAME OF PLANT	SHAWNEE	WATTS BAR	WIDOWS CREEK A	WIDOWS CREEK B	EAGLE MOUNTAIN	
5 UTILITY-PLANT CODE	477000-3200	477000-3600	477000-3800	477000-3805	478000-0100	
6 STATE	KENTUCKY	TENNESSEE	ALABAMA	ALABAMA	TEXAS	
7 COUNTY	MCCRACKEN	RHEA	JACKSON	JACKSON	TARRANT	
8 AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	072 05	207 06	007 06	007 06	215 12	
9 PLANT CAPACITY (MW)	1,750.00	240.00	853.00	1,125.01	310.00	
10 ANNUAL GENERATION (MWH) 3/	10,284,600		4,327,100	5,346,300	1,244,300	
11 PLANT HEAT RATE (BTU/KWH) 3/	9,700		10,400	9,400	10,920	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	4,505.60	7.30	1,786.70	2,136.90		
13 AVERAGE HEAT CONTENT (BTU/LB)	11,686	12,460	11,702	11,553		
14 AVERAGE SULFUR CONTENT (%)	2.89	1.20	2.39	2.84		
15 AVERAGE ASH CONTENT (%)	12.57	12.20	15.01	14.80		
16 AVERAGE MOISTURE CONTENT (%)	10.23	5.20	5.82	6.49		
17 OIL: CONSUMPTION (1,000 BARRELS)	18.17	.32	18.26	22.61		
18 AVERAGE HEAT CONTENT (BTU/GAL)	137,484	136,800	139,300	138,900		
19 AVERAGE SULFUR CONTENT (%)	.21	.10	.20	.20		
20 GAS: CONSUMPTION (1,000 MCF)					13,307.00	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,017	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	10	4	6	2	2	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS	4		6			
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		4		2		
27 - NO. WITH COMBINATION PRECIPITATORS 4/	6					
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	20.00	20.00	20.00	20.00	7.00 10.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00		85.00			
31 TESTED, LOW - HIGH	65.80		77.00			
32 ESTIMATED, LOW - HIGH	66.00		75.00			
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	98.50	95.00		90.00		
34 TESTED, LOW - HIGH	94.00	95.00		80.00 90.00		
35 EST., LOW - HIGH	95.80 98.00	95.00		70.00 80.00		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	57.64	.03	52.29	66.64		
40 SULFUR DIOXIDE (1,000 TONS)	255.24	.17	83.69	118.95		
41 NITROGEN OXIDES (1,000 TONS)	33.80	.05	13.40	19.23	2.59	
42 STACKS: - TOTAL NO.	10	2	6	2	1	
43 - HEIGHT (FEET), LOWEST - HIGHEST 8/	250.00	147.00	170.00 270.00	500.00	225.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/				.10		
45 TOTAL ASH: COLLECTED (1,000 TONS) 10/	475.10	.80	207.50	273.00		
46 SOLD (1,000 TONS) 11/						
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	337.30		553.20			
51 ELECTROSTATIC PRECIPITATORS ($1,000)		1,666.00		1,737.00		
52 COMBINATION PRECIPITATORS ($1,000) 4/	4,829.40					
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	1,830.00	30.00	192.30	684.00	66.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	158.00	7.00	172.00	242.00		
56 REVENUES FROM SALE OF ASH ($1,000)						
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	158.00	7.00	172.00	242.00		
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	OHIO RIVER	TENNESSEE RIVER	TENN. RIVER	TENNESSEE RIVER	EAGLE MTN LAKE	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	2,268.00	160.00	1,189.00	828.00	262.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	2,241.00	158.00	1,179.00	813.00	260.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	19.50 27.00	1.38 2.00	10.23 10.00	7.12 15.00	2.00	
65 PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL JAN	JUL	JUL JAN	JUL JAN	AUG DEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 44.00	85.00	88.00 50.00	88.00 50.00	88.00 57.00	
67 AT OUTFALL, SUMMER - WINTER	97.00 56.00	92.00	100.00 62.00	108.00 70.00	113.00 88.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	168,000.00	22,400.00	32,000.00	32,000.00		
69 - WINTER	303,300.00		34,680.00	34,680.00		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O 16/	C	C	C	H	C	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.60	.15	2.10		.55	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			18.65		.01	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP					24.70	
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	15.80		26.15			
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	64.55		1.40		17.00	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES		YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	ST	ST			OT	
78 19/ RECEIVING WATER BODY	OHIO RIVER	TENNESSEE RIVER	TENNESSEE RIVER	TENNESSEE RIVER	EAGLE MTN. LAKE	
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	11.40	9.50	10.40			
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	75.00	24.00	24.00			
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82 - ASH SETTLING	930,000.00	1,600.00	976,000.00			

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING 20: ONCE THROUGH COOLING (FRESH)	10 1,750.00	4 240.00	6 853.00	2 1,125.01		
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING POND(S)					2 310.00	
86 COOLING TOWER(S)						
87 COMBINATIONS 21/						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1956	1942 1945	1952 1954	1960 1964	1954 1956	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	12.30	6.90	11.60 12.20	18.30 20.90	21.10 21.30	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,397.00	625.60	1,371.00	1,962.80	323.00	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,495.40		1,428.94	1,149.70		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	9,730.00	652.00	2,706.00	2,620.00		
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	66.00	8.00	42.00	17.00		
96 COST OF CHEMICAL ADDITIVES ($1,000)	8.00				1.70	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	100.00		38.00	48.00		
98 COST OF CHEMICAL ADDITIVES ($1,000)	11.00	1.00	23.00		1.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	TEXAS ELECTRIC SERVICE CO.		TEXAS ELECTRIC SERVICE CO.		TEXAS ELECTRIC SERVICE CO.		TEXAS ELECTRIC SERVICE CO.		TEXAS ELECTRIC SERVICE CO.											
4	NAME OF PLANT	GRAHAM		HANDLEY		MORGAN CREEK		NORTH MAIN		PERMIAN BASIN											
5	UTILITY-PLANT CODE	47800C-0200		478000-0300		478000-0400		478000-0500		478000-0600											
6	STATE	TEXAS		TEXAS		TEXAS		TEXAS		TEXAS											
7	COUNTY	YOUNG		TARRANT		MITCHELL		TARRANT		WARD											
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	210	12	215	12	210	12	215	12	218	13										
9	PLANT CAPACITY (MW)		634.78		523.35		845.76		116.25		164.95										
10	ANNUAL GENERATION (MWH) [3]		2,742,170		2,325,800		4,412,900		198,975		1,304,100										
11	PLANT HEAT RATE (BTU/KWH) [3]		9,960		9,910		10,200		13,740		11,650										

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)																				
13	AVERAGE HEAT CONTENT (BTU/LB)																				
14	AVERAGE SULFUR CONTENT (%)																				
15	AVERAGE ASH CONTENT (%)																				
16	AVERAGE MOISTURE CONTENT (%)																				
17	OIL: CONSUMPTION (1,000 BARRELS)								2.00												
18	AVERAGE HEAT CONTENT (BTU/GAL)								142,857												
19	AVERAGE SULFUR CONTENT (%)								2.50												
20	GAS: CONSUMPTION (1,000 MCF)		26,845.00		22,506.00		43,068.60		2,687.10		13,917.50										
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,018		1,024		1,046		1,017		1,092										

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		2		4		6		8		5										
23	- NO. OF WET BOTTOM																				
24	- NO. WITH FLY ASH REINJECTION																				
25	- NO. WITH MECHANICAL PRECIPITATORS																				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS																				
27	- NO. WITH COMBINATION PRECIPITATORS [4]																				
28	- NO. WITH DESULFURIZATION SYSTEMS																				
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	6.50	8.00	8.00	14.50	8.00	20.00		10.00	8.00	12.00										
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH																				
31	TESTED, LOW - HIGH																				
32	ESTIMATED, LOW - HIGH																				
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH																				
34	TESTED, LOW - HIGH																				
35	EST., LOW - HIGH																				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH																				
37	TESTED, LOW - HIGH																				
38	ESTIMATED, LOW - HIGH																				

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)						.02														
40	SULFUR DIOXIDE (1,000 TONS)																				
41	NITROGEN OXIDES (1,000 TONS)		5.23		4.39		8.39		.52		2.71										
42	STACKS: - TOTAL NO.		3		4		6		4		4										
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	163.00	177.00	150.00	184.00	150.00	182.00	256.00	321.00		150.00										
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]																				
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]																				
46	SOLD (1,000 TONS) [11]																				
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)																				
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]																				
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)																				
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)																				
51	ELECTROSTATIC PRECIPITATORS ($1,000)																				
52	COMBINATION PRECIPITATORS ($1,000) [4]																				
53	DESULFURIZATION SYSTEMS ($1,000)																				
54	STACKS ($1,000)				158.00		88.66		109.00		143.80										
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)																				
56	REVENUES FROM SALE OF ASH ($1,000)																				
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)																				
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)																				
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]																				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)																				

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE EDDLEMAN		LAKE ARLINGTON		LAKE COLD. CITY		TRINITY RIVER		WELL											
62	AVERAGE RATE OF WITHDRAWAL (CFS)		532.00		461.00		812.00		6.00		4.69										
63	AVERAGE RATE OF DISCHARGE (CFS)		528.00		458.00		806.00		5.00		.98										
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]		4.00		3.00		6.00		1.00		3.71										
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC										
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00	61.00	96.00	60.00	93.00	65.00	101.00	48.00	91.00	80.00										
67	AT OUTFALL, SUMMER - WINTER	102.00	79.00	110.00	79.00	113.00	84.00	109.00	56.00	110.00	101.00										
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER																				
69	- WINTER																				
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C		D		C		C		C											
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.28		.75		1.00				2.19										
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		38.44		.85		222.57				92.20										
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		29.70				48.00		150.00												
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP																				
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	28.90		37.00		54.00		16.00		18.62											
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]		YES		YES		YES	YES	YES	YES	YES										
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	RS		RS		ST		RS		ST											
78	[19] RECEIVING WATER BODY																				
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING									8.90											
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING									25.50											
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN																				
82	- ASH SETTLING																				

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)																				
84	ONCE THROUGH COOLING (SALINE)																				
85	COOLING POND(S)	2	634.78	3	523.35	6	845.76	2	35.00												
86	COOLING TOWER(S)							1	81.25	5	164.95										
87	COMBINATIONS [21]																				
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960	1969	1957	1962	1959	1966	1918	1952	1948	1958										
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00	20.00	16.00	17.00			13.00	19.00		20.00										
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		763.00		755.00		1,100.10		211.70		264.00										
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)																				

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)																				
93	COOLING PONDS ($1,000)																				
94	COOLING TOWERS ($1,000)								277.00		785.20										

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)																				
96	COST OF CHEMICAL ADDITIVES ($1,000)		2.90		3.60		5.38		8.70		26.80										

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)																				
98	COST OF CHEMICAL ADDITIVES ($1,000)		5.00		9.00		35.05		1.40		5.20										

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	TEXAS ELECTRIC SERVICE CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	
4	NAME OF PLANT	WICHITA FALLS	COLLIN	LAKE CREEK	RIVER CREST	STRYKER	
5	UTILITY-PLANT CODE	47800C-0700	47850C-0300	47850C-0500	47850C-0600	47850C-0700	
6	STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS	
7	COUNTY	WICHITA	COLLIN	MCLENNAN	RED RIVER	CHEROKEE	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	210 11	215 12	212 12	022 11	G22 12	
9	PLANT CAPACITY (MW)	25.00	156.25	315.63	112.50	703.50	
10	ANNUAL GENERATION (MWH) [3]	5,635	697,100	2,113,700	188,200	3,548,700	
11	PLANT HEAT RATE (BTU/KWH) [3]	17,800	10,348	10,545	13,070	9,937	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)						
13	AVERAGE HEAT CONTENT (BTU/LB)						
14	AVERAGE SULFUR CONTENT (%)						
15	AVERAGE ASH CONTENT (%)						
16	AVERAGE MOISTURE CONTENT (%)						
17	OIL: CONSUMPTION (1,000 BARRELS)		.09	.03		.20	
18	AVERAGE HEAT CONTENT (BTU/GAL)		151,760	150,000		152,000	
19	AVERAGE SULFUR CONTENT (%)		2.00	1.00		.20	
20	GAS: CONSUMPTION (1,000 MCF)	95.54	7,304.80	21,327.40	2,359.40	33,991.10	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,025	992	1,041	1,030	1,036	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	1	2	1	2		
23	- NO. OF WET BOTTOM							
24	- NO. WITH FLY ASH REINJECTION							
25	- NO. WITH MECHANICAL PRECIPITATORS							
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							
27	- NO. WITH COMBINATION PRECIPITATORS [4]							
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	12.00	8.00	8.00 10.00	8.00	8.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
31	TESTED, LOW - HIGH							
32	ESTIMATED, LOW - HIGH							
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							
34	TESTED, LOW - HIGH							
35	EST., LOW - HIGH							
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)							
40	SULFUR DIOXIDE (1,000 TONS)							
41	NITROGEN OXIDES (1,000 TONS)	.02	1.42	4.16	.46	6.63		
42	STACKS: - TOTAL NO.	1	2	3	2	4		
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	150.00	196.00	150.00 181.00	156.00	161.00 197.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]							
46	SOLD (1,000 TONS) [11]							
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
51	ELECTROSTATIC PRECIPITATORS ($1,000)							
52	COMBINATION PRECIPITATORS ($1,000) [4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	17.00	36.16	77.23	20.16	96.74		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							
56	REVENUES FROM SALE OF ASH ($1,000)							
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]							
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE WICHITA	DEEP WELL	BRAZOS RIVER	SULFUR RIVER	LAKE STRYKER		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1.43	2.75	5.50	.04	826.00		
63	AVERAGE RATE OF DISCHARGE (CFS)	1.40	.14	2.00		826.00		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.03	2.61	3.50	.04	7.10		
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	JUL MAR	AUG APR	JUL MAR		
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	102.00				90.00 58.00		
67	AT OUTFALL, SUMMER - WINTER	111.00				104.00 75.00		
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			2,203.00	.80	826.00		
69	- WINTER			1,292.00	1,423.00	826.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	H	H	H		
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.15 .02	2.61	.65	.60	.20		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	1.48	159.21		57.15		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.50	17.50	10.00		33.00		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	NO YES	NO YES	YES		
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	PS	ST	ST	ST	ST		
78	RECEIVING WATER BODY [19]							
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82	- ASH SETTLING							

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)					2 703.48		
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING POND(S)			2 315.63	1 112.50			
86	COOLING TOWER(S)	2 25.00	1 156.25					
87	COMBINATIONS [21]							
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1949	1955	1953 1959	1953	1958 1965		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	16.00	15.00	12.00 16.00	26.00	14.00 16.00		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	59.60	186.00	556.00	307.00	826.00		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)					826.00		

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)							
93	COOLING PONDS ($1,000)			1,008.92	781.35			
94	COOLING TOWERS ($1,000)	98.00	794.14					

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		69.50		7.00	47.40		
96	COST OF CHEMICAL ADDITIVES ($1,000)		23.50	1.49		3.90		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		43.00		13.52	9.66		
98	COST OF CHEMICAL ADDITIVES ($1,000)		26.50	19.66	1.19	9.47		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	THE CANAL ELECTRIC CO.	THE CINCINNATI GAS & ELECTRIC CO.	
NAME OF PLANT	TRADINGHOUSE	TRINIDAD	VALLEY	CANAL	MIAMI FORT	
UTILITY-PLANT CODE	47850-C850	478500-0900	478500-1000	47900C-C100	480500-0200	
STATE	TEXAS	TEXAS	TEXAS	MASSACHUSETTS	OHIO	
COUNTY	MCLENNAN	HENDERSON	FANNIN	BARNSTABLE	HAMILTON	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	212 12	022 12	215 11	120 01	079 05	
PLANT CAPACITY (MW)	580.50	412.11	779.49	542.50	519.20	
ANNUAL GENERATION (MWH) [3]	1,718,219	3,094,800	2,446,000	1,972,300		
PLANT HEAT RATE (BTU/KWH) [3]	10,734	9,856	9,013	11,846		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					1,000.30	
AVERAGE HEAT CONTENT (BTU/LB)					11,445	
AVERAGE SULFUR CONTENT (%)					3.30	
AVERAGE ASH CONTENT (%)					12.90	
AVERAGE MOISTURE CONTENT (%)					9.18	
OIL: CONSUMPTION (1,000 BARRELS)		.08	.01	3,477.00	7.07	
AVERAGE HEAT CONTENT (BTU/GAL)		154,347	152,000	150,149	138,000	
AVERAGE SULFUR CONTENT (%)		.10	.10	2.26	.40	
GAS: CONSUMPTION (1,000 MCF)	962.00	17,404.57	28,958.75			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,032	1,060	1,033			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	9	2	1	15	
- NO. OF WET BOTTOM					4	
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS [4]					1	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	8.00	10.00 18.00	8.00	13.00	20.00 21.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH					96.00	
TESTED, LOW - HIGH						
EST., LOW - HIGH					96.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)				.58	57.63	
SULFUR DIOXIDE (1,000 TONS)				26.36	64.72	
NITROGEN OXIDES (1,000 TONS)	.19	3.39	5.65	7.67	10.53	
STACKS: - TOTAL NO.	1	6	3	1	4	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	170.00	141.75 390.00	142.00 189.00	298.00	194.00 375.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]				.31		
TOTAL ASH: COLLECTED (1,000 TONS) [10]				.30	80.00	
SOLD (1,000 TONS) [11]				.30		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) [4]					535.00	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	94.69	282.22	112.12	184.00	420.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				4.00	15.00	
REVENUES FROM SALE OF ASH ($1,000)				19.00		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]				4.00	15.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)				19.00		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	BRAZOS RIVER	TRINITY RIVER	RED RIVER	CAPE COD CANAL	OHIO RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	24.30	4.28		370.00	458.00	
AVERAGE RATE OF DISCHARGE (CFS)		1.20		370.00	458.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	24.30	3.08		3.18	3.94	
PEAK LOAD MONTH : SUMMER - WINTER [15]		JUL DEC	JUL DEC	JUL JAN	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		92.00 64.00		76.00 38.00	85.00 50.00	
AT OUTFALL, SUMMER - WINTER		92.00 64.00	96.00 57.00	101.00 68.00	95.00 60.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,474.00		82,000.00	62,000.00	
- WINTER		928.00		82,000.00	75,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	H	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.55	.35			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	16.25	56.67	90.44		232.43	
LIME (TONS), COOLING WATER - BOILER MAKEUP		15.00				
ALUM (TONS), COOLING WATER - BOILER MAKEUP		.50				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		14.00		4.56	93.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO YES	NO YES	NO YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY [19]		COOLING POND			OHIO RIVER	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					10.00 10.70	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					457.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					6,480.00	
- ASH SETTLING					360,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)					6 519.20	
ONCE THROUGH COOLING (SALINE)				1 542.50		
COOLING POND(S)	1 580.50	6 412.11	2 779.49			
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1969	1926 1965	1962 1967	1968	1925 1960	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	19.00	12.00	14.00	28.00	10.00 19.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	580.00	1,077.14	823.00	350.00	918.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				373.00	918.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)				1,500.00	402.00	
COOLING PONDS ($1,000)	4,075.54	280.86	918.21			
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		25.00	.60	21.20	75.00	
COST OF CHEMICAL ADDITIVES ($1,000)		1.63		1.00	12.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		18.62	7.50	7.50	59.00	
COST OF CHEMICAL ADDITIVES ($1,000)	2.35	6.33	19.02	1.00	23.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	THE CINCINNATI GAS & ELECTRIC CO.	THE CINCINNATI GAS & ELECTRIC CO.	THE CONNECTICUT LIGHT & POWER CO.	THE CONNECTICUT LIGHT & POWER CO.	THE CONNECTICUT LIGHT & POWER CO.		1
2								2
3								3
4	NAME OF PLANT	BECKJORD	WEST END	DEVON	MONTVILLE	NORWALK HARBOR		4
5	UTILITY-PLANT CODE	4805?C-C3?C	4850C-C4?C	4810?C-C3?C	4810CC-C5?C	4810C0-C6?C		5
6	STATE	OHIO	OHIO	CONNECTICUT	CONNECTICUT	CONNECTICUT		6
7	COUNTY	CLERMONT	HAMILTON	NEW HAVEN	NEW LONDON	FAIRFIELD		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	079 05	079 05	042 01	041 01	043 01		8
9	PLANT CAPACITY (MW)	1,221.30	219.25	454.00	176.00	326.40		9
10	ANNUAL GENERATION (MWH) [3]	4,762,200	630,300	2,401,400	1,050,400	2,076,400		10
11	PLANT HEAT RATE (BTU/KWH) [3]	9,575	14,797	11,418	11,220	9,862		11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	2,521.60		728.00	468.40	842.80		12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,748		12,036	12,453	12,039		13
14	AVERAGE SULFUR CONTENT (%)	2.80		2.30	2.00	2.24		14
15	AVERAGE ASH CONTENT (%)	14.06		13.78	12.31	15.38		15
16	AVERAGE MOISTURE CONTENT (%)	8.30		6.78	7.04	6.34		16
17	OIL: CONSUMPTION (1,000 BARRELS)	12.26		1,583.70	26.14	31.50		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,000		148,899	140,000	140,000		18
19	AVERAGE SULFUR CONTENT (%)	.40		2.33	.10	.10		19
20	GAS: CONSUMPTION (1,000 MCF)		9,044.40					20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,031					21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	6	6	12	7	2		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS				2			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	5		4	3			26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	1		4		2		27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 25.00	25.00	15.00	20.00 23.00	22.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH				50.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00 98.00		86.00 98.00	91.00 97.00	99.00		33
34	TESTED, LOW - HIGH			95.60 98.70	94.00 99.40	98.70 99.40		34
35	EST., LOW - HIGH	85.00 98.00		63.00 98.00	90.00 95.00	98.00 98.50		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	19.92		3.96	7.12	1.92		39
40	SULFUR DIOXIDE (1,000 TONS)	138.41		45.32	18.32	37.01		40
41	NITROGEN OXIDES (1,000 TONS)	22.72	1.76	9.78	4.24	7.65		41
42	STACKS: - TOTAL NO.	5	3	7	5	1		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	300.00 452.00	206.00	220.00 357.50	171.00 249.00	350.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]			.10				44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	316.00		107.90	92.70	130.60		45
46	SOLD (1,000 TONS) [11]			8.70		16.00		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	2,420.00		2,195.00	539.00			51
52	COMBINATION PRECIPITATORS ($1,000) [4]	627.00		278.00		1,546.00		52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	2,353.00	78.00		361.00			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	38.00		255.80	84.00	33.60		55
56	REVENUES FROM SALE OF ASH ($1,000)			6.50				56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	38.00		268.90	84.00	41.10		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			6.50		2.40		60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	OHIO RIVER	OHIO RIVER	HOUSATONIC	THAMES RIVER.	LONG ISLAND SOUND		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	736.00	327.00	575.00	238.00	470.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	736.00	327.00	575.00	238.00	470.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	6.33	2.81	4.95	2.05	4.04		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	AUG DEC	SEP DEC	SEP DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 44.00	85.00 45.00	75.00 38.00	71.00 50.00	75.00 46.00		66
67	AT OUTFALL, SUMMER - WINTER	100.00 64.00	95.00 55.00	86.00 49.00	88.00 70.00	92.00 74.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	62,000.00	62,000.00					68
69	- WINTER	75,000.00	75,000.00					69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	C	C	H	H	D		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			4.00	.21	.05		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	179.98		2.40	.13	1.60		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		12.43					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	67.00		48.00		74.06		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	PS	ST	ST	ST		77
78	RECEIVING WATER BODY [19]	OHIO RIVER						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.00 10.10	10.30	7.00		7.20		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	15.00						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	2,427.00	4,093.50					81
82	- ASH SETTLING	72,317.30		25,000.00		120,000.00		82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	6 1,221.30	6 328.65					83
84	ONCE THROUGH COOLING (SALINE)			7 454.00	5 176.00	2 326.40		84
85	COOLING POND(S)							85
86	COOLING TOWER(S)							86
87	COMBINATIONS [21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1952 1969	1918	1924 1958	1923 1954	1960 1963		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	17.00 23.00	10.00	11.70 17.30				89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,146.00	546.00	816.40		440.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,146.00	546.00	887.70				91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,116.00	336.00					92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)							94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	80.00	64.00	44.30	8.75	55.40		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	10.00		6.20	14.60	16.80		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	45.00	75.00	42.90		12.50		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	32.00	2.00	15.30		2.60		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	THE DAYTON POWER & LIGHT CO.	THE DAYTON POWER & LIGHT CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.		1
2								2
3								3
4	NAME OF PLANT	TAIT	HUTCHINGS	CONNERS CREEK	DELRAY	FERMI		4
5	UTILITY-PLANT CODE	481500-0200	481500-0300	482000-0200	482000-0400	482000-0500		5
6	STATE	OHIO	OHIO	MICHIGAN	MICHIGAN	MICHIGAN		6
7	COUNTY	MONTGOMERY	MONTGOMERY	WAYNE	WAYNE	MONROE		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	173 05	173 05	123 04	123 04	124 04		8
9	PLANT CAPACITY (MW)	444.10	414.00	585.00	375.00	158.00		9
10	ANNUAL GENERATION (MWH) [3]	2,267,600	2,066,400	2,950,400	1,413,200	283,697		10
11	PLANT HEAT RATE (BTU/KWH) [3]	10,562	10,436	12,840	13,750	13,870		11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	1,002.40	841.10	1,467.00	522.00			12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,659	12,655	12,310	13,129			13
14	AVERAGE SULFUR CONTENT (%)	1.57	1.06	2.05	1.25			14
15	AVERAGE ASH CONTENT (%)	12.27	9.27	11.23	8.31			15
16	AVERAGE MOISTURE CONTENT (%)	7.51	5.82	6.03	5.90			16
17	OIL: CONSUMPTION (1,000 BARRELS)					684.96		17
18	AVERAGE HEAT CONTENT (BTU/GAL)					136,822		18
19	AVERAGE SULFUR CONTENT (%)					.30		19
20	GAS: CONSUMPTION (1,000 MCF)	462.80	78.50	1,723.00	15,937.00			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045	1,045	1,027	618			21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	6	6	15	12	1		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS		6	11	12			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	6		4				27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 25.00	20.00	24.50 25.00	25.00	10.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		86.50 90.10	80.00	80.00			30
31	TESTED, LOW - HIGH		30.40 86.10	80.00	78.80 92.40			31
32	ESTIMATED, LOW - HIGH			50.00	50.00 65.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00 97.50		98.00				33
34	TESTED, LOW - HIGH			96.80				34
35	EST., LOW - HIGH	71.00 97.50		99.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	7.45	20.92	23.22	9.02	.12		39
40	SULFUR DIOXIDE (1,000 TONS)	30.85	17.47	58.94	12.79	.69		40
41	NITROGEN OXIDES (1,000 TONS)	9.11	7.59	12.62	7.02	1.51		41
42	STACKS: - TOTAL NO.	4	3	8	6	1		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	307.00	250.00	252.00	270.00	158.50		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	121.10	67.70	115.00				45
46	SOLD (1,000 TONS) [11]			25.80				46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		372.00	1,000.00	1,923.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000) [4]	1,334.00		1,282.00				52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	138.00	288.00	443.00	104.00	110.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	284.00	263.00	161.00	94.00			55
56	REVENUES FROM SALE OF ASH ($1,000)			51.00	36.00			56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	284.00	263.00	813.00	385.00			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			51.00	36.00			60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	GREAT MIAMI RIVER	GREAT MIAMI RIVER	DETROIT RIVER	DETROIT RIVER	LAKE ERIE		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	312.50	419.80	805.00	775.00	84.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	311.70	419.40	800.00	775.00	84.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	2.69 .80	3.61 .40	6.88	6.67 .72			64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL JAN	JUL JAN	JUN DEC	JUN DEC	JUN DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 49.00	80.40 45.10	67.00 38.00	70.00 39.00	70.00 44.00		66
67	AT OUTFALL, SUMMER - WINTER	98.00 72.00	99.40 77.10	77.00 48.00	89.00 66.20	88.00 63.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2,071.00	2,489.00	213,000.00	213,000.00			68
69	- WINTER	5,046.00	5,427.00	209,000.00	209,000.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	O	H	O		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.63	.05	2.20	4.70	.03		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.86		.01				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	60.58	29.00					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	68.00	157.50	70.00	9.00	5.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	NO YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	SW	PS	PS	OT		77
78	RECEIVING WATER BODY [19]		GREAT MIAMI RIVER			LAKE ERIE		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.00	8.50	8.50 8.00	11.00	8.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00	20.00	200.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			1,480.00	6,730.00	93.50		81
82	- ASH SETTLING	4,600.00	22,100.00	40,000.00				82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	7 444.10	6 414.00	9 585.00	6 375.00	1 158.00		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)							85
86	COOLING TOWER(S)							86
87	COMBINATIONS [21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1942 1959	1948 1953	1918 1951	1929 1942	1966		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	12.00 15.00	13.40 16.50	14.00 19.00	13.00 19.00	25.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	595.60	579.00	1,680.00	1,710.00	290.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	595.60	579.00	1,680.00	1,710.00	290.00		91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,198.00	983.00	1,434.00	451.00	912.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)							94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	50.00	63.00	148.00	160.00	27.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	7.00	15.00	4.00	1.20	1.00		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	24.00	17.00	540.00	684.00	82.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	3.00	1.00	2.00	43.00	1.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.		
NAME OF PLANT	HARBOR BEACH	MARYSVILLE	PENNSALT	RIVER ROUGE	ST. CLAIR		
UTILITY-PLANT CODE	482000-0700	482000-0800	482000-1000	482000-1200	482000-1400		
STATE	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN		
COUNTY	HURON	ST. CLAIR	WAYNE	WAYNE	ST. CLAIR		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	125 04	123 04	123 04	123 04	123 04		
PLANT CAPACITY (MW)	121.00	300.00	37.00	933.00	1,905.00		
ANNUAL GENERATION (MWH)[3]	527,294	1,212,400	96,300	5,538,000	11,671,600		
PLANT HEAT RATE (BTU/KWH)[3]	10,610	13,610	12,981	9,430	9,160		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	234.00	721.00	182.00	2,019.00	4,484.00		
AVERAGE HEAT CONTENT (BTU/LB)	11,840	11,974	12,017	12,434	11,782		
AVERAGE SULFUR CONTENT (%)	2.83	2.25	1.14	3.60	3.33		
AVERAGE ASH CONTENT (%)	12.94	11.89	12.00	10.61	12.93		
AVERAGE MOISTURE CONTENT (%)	6.42	6.72	7.03	5.22	6.56		
OIL: CONSUMPTION (1,000 BARRELS)	10.42		10.89	228.53	133.03		
AVERAGE HEAT CONTENT (BTU/GAL)	136,728		137,260	151,764	151,438		
AVERAGE SULFUR CONTENT (%)	.30		.30	1.20	2.07		
GAS: CONSUMPTION (1,000 MCF)		103.00		11,710.00	416.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)		993		102	995		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	10	4	3	7		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS			2				
- NO. WITH ELECTROSTATIC PRECIPITATORS	1	4			2		
- NO. WITH COMBINATION PRECIPITATORS[4]			2	3	5		
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	22.00 25.00	22.00	18.00	13.00 23.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			75.00				
TESTED, LOW - HIGH			71.00				
ESTIMATED, LOW - HIGH			53.00				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.60	95.00	97.66	97.40 97.80	91.60 99.60		
TESTED, LOW - HIGH	99.40	65.00	96.70	90.00 97.20	88.50 99.00		
EST., LOW - HIGH	99.20	62.00	96.00	88.00 97.00	87.00 98.50		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.21	35.85	1.92	11.32	17.19		
SULFUR DIOXIDE (1,000 TONS)	12.99	31.80	4.08	143.38	293.59		
NITROGEN OXIDES (1,000 TONS)	2.13	6.19	1.66	20.96	56.20		
STACKS: - TOTAL NO.	1	8	4	3	7		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	300.00	201.00 300.00	223.00	385.00 425.00	250.00 600.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	30.00	40.40	18.80	200.60	568.70		
SOLD (1,000 TONS)[11]		.70		97.00	16.90		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)	455.00	900.00			5,472.00		
COMBINATION PRECIPITATORS ($1,000)[4]			1,096.00	5,712.00	5,099.00		
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	241.00	112.00	40.00	817.00	2,794.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		103.00	25.00	128.00	377.00		
REVENUES FROM SALE OF ASH ($1,000)		5.00		28.00	5.00		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	37.00	293.00	74.00	358.00	1,145.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)		5.00		28.00	5.00		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE HURON	ST. CLAIR RIVER	DETROIT RIVER	DETROIT RIVER	ST. CLAIR RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	155.00	885.00	26.80	1,007.00	1,854.00		
AVERAGE RATE OF DISCHARGE (CFS)	155.00	885.00	25.40	1,007.00	1,854.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.33	7.61	.23 1.40	8.66	15.94		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN DEC	JUN DEC	JUN DEC	JUN DEC	JUN DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	56.00 36.00	64.00 35.00	70.00 42.00	70.00 41.00	62.00 45.00		
AT OUTFALL, SUMMER - WINTER	67.00 47.00	70.00 47.00	90.00 62.00	85.00 54.00	76.00 60.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		206,000.00	213,000.00	213,000.00	206,000.00		
- WINTER		208,000.00	209,000.00	209,000.00	208,000.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	O	H	O	O	O		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.35	1.50			.15		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.40		256.56	112.53		
LIME (TONS), COOLING WATER - BOILER MAKEUP			114.83		58.70		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				140.17			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.00	4.00		715.00	26.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	PS	PS	PS		
RECEIVING WATER BODY[19]							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.50 8.00	11.00 8.20	11.00 8.50	8.50 8.00	11.00 8.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	30.00	500.00	50.00	15.00	15.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	155.00	580.00	6,900.00	840.00	3,380.00		
- ASH SETTLING	7,400.00	9,900.00	12,300.00	13,000.00	18,800.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 121.00	7 300.00	7 37.00	3 933.00	7 1,905.00		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)							
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1968	1922 1947	1964	1956 1958	1953 1969		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.00	7.00 15.20		15.00 17.00	15.00 20.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	200.00	1,047.00	67.00	1,004.00	2,070.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	200.00	1,047.00	67.00	1,004.00	2,070.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	362.00	136.00	16.00	2,238.00	4,031.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.00	144.00	28.00	91.00	113.00		
COST OF CHEMICAL ADDITIVES ($1,000)	1.00	1.00	1.00	48.00	5.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	77.00	332.00	210.00	473.00	539.00		
COST OF CHEMICAL ADDITIVES ($1,000)	1.00	12.00	5.00	19.00	9.00		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	THE DETROIT EDISON CO.		THE DETROIT EDISON CO.		THE HARTFORD ELECTRIC LIGHT CO.		THE HARTFORD ELECTRIC LIGHT CO.		THE HARTFORD ELECTRIC LIGHT CO.	1
2		2										2
3		3										3
4	NAME OF PLANT	4	TRENTON CHANNEL		WYANDOTTE		MIDDLETOWN		SOUTH MEADOW		STAMFORD	4
5	UTILITY-PLANT CODE	5	48200C-1600		48200C-1700		48300C-0300		48300C-0400		48300C-0500	5
6	STATE	6	MICHIGAN		MICHIGAN		CONNECTICUT		CONNECTICUT		CONNECTICUT	6
7	COUNTY	7	WAYNE		WAYNE		MIDDLESEX		HARTFORD		FAIRFIELD	7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	123 C4		123 04		042 01		042 01		043 01	8
9	PLANT CAPACITY (MW)	9	1,076.00		54.00		422.00		216.75		52.50	9
10	ANNUAL GENERATION (MWH) [3]	10	6,268,400		241,600		3,075,600		975,500		143,100	10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	10,730		12,606		9,784		14,008			11
	AIR QUALITY CONTROL DATA											
	FUEL CONSUMPTION DATA (ANNUAL)											
12	COAL: CONSUMPTION (1,000 TONS)	12	2,509.00		401.00						56.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	12,083		11,836						12,815	13
14	AVERAGE SULFUR CONTENT (%)	14	2.64		1.23						3.00	14
15	AVERAGE ASH CONTENT (%)	15	12.32		11.81						13.54	15
16	AVERAGE MOISTURE CONTENT (%)	16	5.42		7.54						6.46	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	63.84		30.09		4,799.77		2,190.00		137.30	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	136,637		137,272		148,558		148,646		150,623	18
19	AVERAGE SULFUR CONTENT (%)	19	.30		.30		1.97		1.94		2.25	19
20	GAS: CONSUMPTION (1,000 MCF)	20	8,093.00						.76		47.30	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,026						1,000		1,000	21
	PLANT EQUIPMENT DATA											
22	BOILERS: - TOTAL NO.	22	18		5		4		6		5	22
23	- NO. OF WET BOTTOM	23			4		3					23
24	- NO. WITH FLY ASH REINJECTION	24					1					24
25	- NO. WITH MECHANICAL PRECIPITATORS	25							3			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	18		2		1				2	26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27			2		2				1	27
28	- NO. WITH DESULFURIZATION SYSTEMS	28										28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	18.00 24.50		18.00 26.00		5.00 18.00		12.00 28.00		15.00 30.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30							87.00			30
31	TESTED, LOW - HIGH	31										31
32	ESTIMATED, LOW - HIGH	32							35.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33	85.00 99.60		99.00 99.60		97.00 98.50				90.50 98.00	33
34	TESTED, LOW - HIGH	34	86.50 99.20		98.50 98.90		97.20 98.80				90.50 95.50	34
35	EST., LOW - HIGH	35	86.00 98.80		98.00		67.00				90.00 95.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36										36
37	TESTED, LOW - HIGH	37										37
38	ESTIMATED, LOW - HIGH	38										38
	PLANT OPERATING DATA AND COST OF EQUIPMENT											
39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	10.50		4.07		.27		.28		.40	39
40	SULFUR DIOXIDE (1,000 TONS)	40	129.85		9.68		31.72		14.25		4.34	40
41	NITROGEN OXIDES (1,000 TONS)	41	24.30		5.86		10.58		4.83		.76	41
42	STACKS: - TOTAL NO.	42	7		5		3		5		4	42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	235.00 563.00		229.00		266.00		164.90 206.50		141.75 178.60	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44					.95		.28			44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45	303.60		44.50		.35		.45		11.00	45
46	SOLD (1,000 TONS) [11]	46	44.72									46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47										47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48										48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49										49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50							280.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	7,169.00		1,170.00		511.00					51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52			134.00		580.00					52
53	DESULFURIZATION SYSTEMS ($1,000)	53										53
54	STACKS ($1,000)	54	1,690.00						45.20			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	201.00		83.00		21.66		13.30		28.00	55
56	REVENUES FROM SALE OF ASH ($1,000)	56	66.00									56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57										57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58										58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	699.00		152.00		128.09		67.80		28.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	66.00									60
	WATER QUALITY CONTROL DATA											
61	COOLING WATER: SOURCE	61	DETROIT RIVER		DETROIT RIVER		CONNECTICUT RIVER		CONNECTICUT RIVER		STAMFORD HARBOR	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	1,400.00		152.20		340.50		418.00		83.60	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	1,400.00		112.90		340.50		418.00		83.60	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	12.04		1.31 39.30		2.93		3.59		.72	64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	JUN DEC		JUN DEC		AUG DEC		AUG DEC		JUL DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	69.00 42.00		70.00 42.00		81.00 40.00		80.00 42.00		74.00 49.00	66
67	AT OUTFALL, SUMMER - WINTER	67	84.00 50.00		90.00 62.00		102.00 76.00		92.00 54.00		88.00 65.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	213,000.00		213,000.00		5,890.00		5,890.00		TIDAL	68
69	- WINTER	69	209,000.00		209,000.00		12,400.00		12,400.00		TIDAL	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	70	H		D		C		C		H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	2.59		8.10		.02		.44		.48	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	56.50				.01		.84		1.15	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73	79.50		113.80							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74										74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	220.60		41.00		60.00		46.00		8.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	YES		YES		YES		YES		YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	RS		RS		ST		RS		RS	77
78	[19] RECEIVING WATER BODY	78					LEACHING FIELD					78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	11.00 8.00		11.00 8.50		6.80					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	10.00		50.00							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	2,040.00		12,500.00							81
82	- ASH SETTLING	82	16,930.00		24,000.00		70,455.70					82
	COOLING FACILITY DATA											
83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83	9 1,076.00		8 54.00		3 422.00		6 221.75			83
84	ONCE THROUGH COOLING (SALINE)	84									3 52.50	84
85	COOLING POND(S)	85										85
86	COOLING TOWER(S)	86										86
87	COMBINATIONS [21]	87										87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1924 1968		1965		1954 1964		1921 1950		1923 1940	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	8.00 25.00		10.00 20.00		18.00 21.00		12.00		10.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	2,132.00		46.00		440.00		508.00		184.50	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	2,132.00		46.00		440.00		508.00		184.50	91
	CAPITAL COSTS OF COOLING FACILITIES											
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	935.00									92
93	COOLING PONDS ($1,000)	93										93
94	COOLING TOWERS ($1,000)	94										94
	ANNUAL COOLING WATER EXPENSES											
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	244.00		54.00		72.29		77.90		20.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	18.00		5.00		5.13		4.50		.80	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES											
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	876.00		348.00		37.56		22.40		20.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	42.00		15.00		30.45		2.60		1.20	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	THE KANSAS POWER & LIGHT CO.	THE KANSAS POWER & LIGHT CO.	THE KANSAS POWER & LIGHT CO.	THE KANSAS POWER & LIGHT CO.	THE MONTANA POWER CO.	
4	NAME OF PLANT	HUTCHINSON	LAWRENCE	ABILENE	TECUMSEH	BIRD	
5	UTILITY-PLANT CODE	48350C-0300	48350C-0500	48350C-0600	48350C-0700	48450-04CC	
6	STATE	KANSAS	KANSAS	KANSAS	KANSAS	MONTANA	
7	COUNTY	RENO	DOUGLAS	DICKINSON	SHAWNEE	YELLOWSTONE	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	099 II	095 10	096 10	095 10	140 IC	
9	PLANT CAPACITY (MW)	252.20	210.15	33.75	346.10	69.00	
10	ANNUAL GENERATION (MWH)[3]	1,290,500	1,059,800	69,572		124,600	
11	PLANT HEAT RATE (BTU/KWH)[3]	11,122	10,965	14,129		13,121	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		72.74		64.24		
13	AVERAGE HEAT CONTENT (BTU/LB)		12,150		12,300		
14	AVERAGE SULFUR CONTENT (%)		2.90		3.00		
15	AVERAGE ASH CONTENT (%)		11.00		11.40		
16	AVERAGE MOISTURE CONTENT (%)		7.50		6.20		
17	OIL: CONSUMPTION (1,000 BARRELS)	36.70	4.75	6.12	8.76	105.00	
18	AVERAGE HEAT CONTENT (BTU/GAL)	154,000	144,300	150,000	147,500	153,095	
19	AVERAGE SULFUR CONTENT (%)	1.20	.20	.10	1.00	4.20	
20	GAS: CONSUMPTION (1,000 MCF)	13,699.00	9,614.80	957.40	17,755.80	820.00	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,030	1,022	988	1,026	1,173	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4		5		2		9		1	
23	- NO. OF WET BOTTOM										
24	- NO. WITH FLY ASH REINJECTION										
25	- NO. WITH MECHANICAL PRECIPITATORS							2			
26	- NO. WITH ELECTROSTATIC PRECIPITATORS										
27	- NO. WITH COMBINATION PRECIPITATORS[4]										
28	- NO. WITH DESULFURIZATION SYSTEMS			1							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00	15.00	10.00	20.00	20.00	8.00	30.00		20.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							85.00			
31	TESTED, LOW - HIGH										
32	ESTIMATED, LOW - HIGH							85.00			
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH										
34	TESTED, LOW - HIGH										
35	EST., LOW - HIGH										
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			83.00							
37	TESTED, LOW - HIGH										
38	ESTIMATED, LOW - HIGH			60.00							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01		6.80				1.47		.02	
40	SULFUR DIOXIDE (1,000 TONS)	.15		4.14				3.81		1.48	
41	NITROGEN OXIDES (1,000 TONS)	2.75		2.54		.20		4.06		.39	
42	STACKS: - TOTAL NO.	5		5		2		8		1	
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	75.00	148.50	123.00	170.00	168.00	153.00	203.00		150.00	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			6.00							
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]			6.60				5.80			
46	SOLD (1,000 TONS)[11]										
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)										
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]										
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)										
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							170.00			
51	ELECTROSTATIC PRECIPITATORS ($1,000)										
52	COMBINATION PRECIPITATORS ($1,000)[14]										
53	DESULFURIZATION SYSTEMS ($1,000)										
54	STACKS ($1,000)		44.80		78.00	31.30		240.00		39.00	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				28.30			12.00			
56	REVENUES FROM SALE OF ASH ($1,000)										
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)				23.50						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)										
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				51.80			12.00			
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)										

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	WELLS		KAN. RIVER/WELLS		SMOKY HILL RIVER		KANSAS RIVER		YELLOWSTONE R.	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	5.52		4.66		24.10		32.45		55.00	
63	AVERAGE RATE OF DISCHARGE (CFS)	1.85		1.72		24.10		28.39		55.00	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.67		2.94	.21			4.06	.47		
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL	DEC	JUL	DEC	JUL	DEC	JUL	DEC	AUG	JAN
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	60.00	60.00			88.00	43.00	89.00	45.00	73.50	32.00
67	AT OUTFALL, SUMMER - WINTER	85.00	40.00	88.00	70.00	97.00	62.00	101.00	83.00	90.00	37.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		104.00		10,940.00		1,492.00		10,230.00		4,776.00
69	- WINTER		58.00		2,580.00		282.00		1,970.00		2,898.00
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H		H		H		H		C	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	24.90	.20	18.25			.30	11.05	.50		.05
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.75		39.92		.90		10.07		.02
73	LIME (TONS), COOLING WATER - BOILER MAKEUP			612.97	6.25			540.90			
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			29.25	.50			34.47			
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	10.00		24.00				39.00			
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	NO	YES	YES	YES	NO	YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		OT		SW		SW		OT	
78	RECEIVING WATER BODY[19]	DRAIN FIELD						KANSAS RIVER			
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.50		10.50	9.00	9.50		10.00	9.50		
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			25.00	100.00			500.00			
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		15.00		30.00		21.00		265.00		
82	- ASH SETTLING				1,600.00				7,500.00		

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					2	33.75	4	115.00	1	69.00
84	ONCE THROUGH COOLING (SALINE)										
85	COOLING POND(S)										
86	COOLING TOWER(S)	4	252.20	4	210.15			2	231.10		
87	COMBINATIONS[21]										
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949	1965	1960	1969	1940	1947	1927	1962	1951	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.90	14.80	11.80	14.40	9.67	11.00	12.30	17.20	24.20	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		402.20		360.80		103.61		605.60	75.70	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						103.61		280.30	75.70	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)					193.00		555.00		113.00	
93	COOLING PONDS ($1,000)										
94	COOLING TOWERS ($1,000)		1,918.00		2,533.00				1,644.00		

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		31.00		19.00	12.00		43.00		1.00	
96	COST OF CHEMICAL ADDITIVES ($1,000)		28.00		36.00			38.00			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		15.00		11.00	14.00		60.00		2.00	
98	COST OF CHEMICAL ADDITIVES ($1,000)		1.00		13.00	1.00		17.00			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	THE MONTANA POWER CO.	THE NARRAGANSETT ELECTRIC CO.	THE NARRAGANSETT ELECTRIC CO.	THE POTOMAC EDISON CO.	THE POTOMAC EDISON CO.		1
2		2							2
3		3							3
4	NAME OF PLANT	4	CORETTE	MANCHESTER ST.	SOUTH ST.	CUMBERLAND	SMITH		4
5	UTILITY-PLANT CODE	5	484500-0700	485000-0100	485000-0300	4865CC-0200	4865CC-0300		5
6	STATE	6	MONTANA	RHODE ISLAND	RHODE ISLAND	MARYLAND	MARYLAND		6
7	COUNTY	7	YELLOWSTONE	PROVIDENCE	PROVIDENCE	ALLEGANY	WASHINGTON		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	8	140 10	120 01	120 01	113 02	113 02		8
9	PLANT CAPACITY (MW)	9	172.80	132.00	188.63	30.00	156.50		9
10	ANNUAL GENERATION (MWH) [3]	10	516,300	671,600	727,400	77,086	725,182		10
11	PLANT HEAT RATE (BTU/KWH) [3]	11	11,047	12,086	14,218	13,812	12,488		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	283.00			49.00	389.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	8,677			11,764	11,640		13
14	AVERAGE SULFUR CONTENT (%)	14	.58			1.52	2.27		14
15	AVERAGE ASH CONTENT (%)	15	8.31			15.72	16.53		15
16	AVERAGE MOISTURE CONTENT (%)	16	25.09			8.17	5.16		16
17	OIL: CONSUMPTION (1,000 BARRELS)	17		1,105.80	1,679.70	.93	3.24		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18		148,923	147,936	139,000	139,000		18
19	AVERAGE SULFUR CONTENT (%)	19		2.18	2.18	.25	.25		19
20	GAS: CONSUMPTION (1,000 MCF)	20	680.00	972.00					20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,173	1,038					21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	1	3	10	1	6		22
23	- NO. OF WET BOTTOM	23							23
24	- NO. WITH FLY ASH REINJECTION	24							24
25	- NO. WITH MECHANICAL PRECIPITATORS	25		3	2		4		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	1		2		2		26
27	- NO. WITH COMBINATION PRECIPITATORS [4]	27				1			27
28	- NO. WITH DESULFURIZATION SYSTEMS	28							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	29	21.00	15.00	12.00 40.00	20.00	20.00 50.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30		85.00	86.00		83.00		30
31	TESTED, LOW - HIGH	31					43.00 54.00		31
32	ESTIMATED, LOW - HIGH	32					50.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	33	97.00		90.00		94.00 99.00		33
34	TESTED, LOW - HIGH	34	95.00			98.00	81.00 96.30		34
35	EST., LOW - HIGH	35	98.00		99.00	99.00	90.00 97.00		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36							36
37	TESTED, LOW - HIGH	37							37
38	ESTIMATED, LOW - HIGH	38							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39	.44	.73	.11	.13	5.84		39
40	SULFUR DIOXIDE (1,000 TONS)	40	3.22	8.09	12.28	1.46	17.38		40
41	NITROGEN OXIDES (1,000 TONS)	41	2.68	2.63	3.70	.44	3.41		41
42	STACKS: - TOTAL NO.	42	1	2	5	2	8		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	43	350.00	207.00 208.00	107.00 325.00	145.00	132.00 200.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	44		.06	.06	17.50			44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	45	23.00			10.90	62.00		45
46	SOLD (1,000 TONS) [11]	46	2.00				5.49		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]	48							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50		179.40	101.60		180.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	583.00		256.80		674.00		51
52	COMBINATION PRECIPITATORS ($1,000) [4]	52				418.00			52
53	DESULFURIZATION SYSTEMS ($1,000)	53							53
54	STACKS ($1,000)	54	269.00	40.80	279.40	10.00	59.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	15.00	5.00	10.00	20.00	119.40		55
56	REVENUES FROM SALE OF ASH ($1,000)	56	5.00				3.40		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	59	15.00	16.16	25.40	21.80	119.40		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	5.00				3.40		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	YELLOWSTONE R.	PROVIDENCE BAY	PROVIDENCE BAY	POTOMAC RIVER	POTOMAC RIVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	90.00	360.00	250.00	45.00	300.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	90.00	360.00	262.00	45.00	299.50		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	64	.77	3.10	2.15	.39	2.58 .10		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	65	AUG JAN	AUG DEC	AUG DEC	JUL DEC	JUL DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	73.50 32.00	78.00 52.00	78.00 52.00	79.00 44.00	80.00 36.00		66
67	AT OUTFALL, SUMMER - WINTER	67	90.00 37.00	90.00 64.00	95.00 69.00	91.00 56.00	94.00 50.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	4,776.00	360.00	262.00	205.00	1,190.00		68
69	- WINTER	69	2,898.00	360.00	262.00	705.00	3,340.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	70	C	H	H	H	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.15	3.34	49.75	.07	3.65		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.03	1.11	.90		5.10		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73					8.00		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74					.50		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75		.18	15.00	8.00	.06 .25		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	76	NO YES	NO YES	NO YES		YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	77	OT	RS	PS	RS			77
78	[19] RECEIVING WATER BODY	78							78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	79	8.00				9.10		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	300.00				40.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81							81
82	- ASH SETTLING	82	400.00				41,474.22		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	83	1 172.80			1 30.00	4 156.50		83
84	ONCE THROUGH COOLING (SALINE)	84		3 132.00	4 194.30				84
85	COOLING POND(S)	85							85
86	COOLING TOWER(S)	86							86
87	COMBINATIONS [21]	87							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1968	1941 1947	1924 1953	1937	1923 1957		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	89	28.80	12.00	17.00 30.00	12.00	12.00 18.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	115.00	360.00	399.00	71.00	349.50		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	115.00	399.00	399.00	71.00	349.50		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	396.00	945.00	2,145.00	246.00	657.00		92
93	COOLING PONDS ($1,000)	93							93
94	COOLING TOWERS ($1,000)	94							94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	2.00	1.50	1.00	6.00	75.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96		4.80	3.60	.78	.03		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	10.00	.50	.50	5.00	44.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	1.00	1.60	12.04	11.00	7.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	THE TOLEDO EDISON CO.	THE TOLEDO EDISON CO.	THE TUCSON GAS & ELECTRIC CO.	THE TUCSON GAS & ELECTRIC CO.	THE UNITED ILLUMINATING CO.			
NAME OF PLANT	ACME	BAY SHORE	DEMOSS PETRIE	IRVINGTON	BRIDGEPORT HARBOR			
UTILITY-PLANT CODE	488000-01C0	488000-0200	488500-0100	488500-0200	489500-0100			
STATE	OHIO	OHIO	ARIZONA	ARIZONA	CONNECTICUT			
COUNTY	LUCAS	LUCAS	PIMA	PIMA	FAIRFIELD			
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	124 04	124 04	015 15	015 15	043 01			
PLANT CAPACITY (MW)	321.00	638.00	104.50	504.50	660.50			
ANNUAL GENERATION (MWH) [3]	756,500	3,985,200	101,172	2,015,700	3,515,700			
PLANT HEAT RATE (BTU/KWH) [3]	12,728	9,315	15,622	10,008	10,017			

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	361.00	1,496.80						
AVERAGE HEAT CONTENT (BTU/LB)	11,972	12,394						
AVERAGE SULFUR CONTENT (%)	2.73	2.20						
AVERAGE ASH CONTENT (%)	12.97	11.32						
AVERAGE MOISTURE CONTENT (%)	5.48	4.91						
OIL: CONSUMPTION (1,000 BARRELS)		4.50	3.09	18.21	5,624.00			
AVERAGE HEAT CONTENT (BTU/GAL)		137,773	144,150	144,150	149,102			
AVERAGE SULFUR CONTENT (%)		.40	1.09	1.09	2.25			
GAS: CONSUMPTION (1,000 MCF)	1,637.00		1,490.00	18,974.70				
AVERAGE HEAT CONTENT (BTU/CU.FT.)	560		1,056	1,057				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	6	4	4	4	3			
- NO. OF WET BOTTOM					2			
- NO. WITH FLY ASH REINJECTION					3			
- NO. WITH MECHANICAL PRECIPITATORS	3							
- NO. WITH ELECTROSTATIC PRECIPITATORS		2			3			
- NO. WITH COMBINATION PRECIPITATORS [4]	3	2						
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	25.00	17.00 23.00	5.00	15.00 7.50	12.00	30.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	60.00							
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH	60.00							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	97.40 98.70	98.50 99.50			97.50	99.50		
TESTED, LOW - HIGH	97.40 98.70	95.10						
EST., LOW - HIGH	96.50	97.00 99.60			5.00	20.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	3.68	1.84			.82			
SULFUR DIOXIDE (1,000 TONS)	18.94	64.55	.01	.07	42.45			
NITROGEN OXIDES (1,000 TONS)	2.97	12.46	.30	3.74	12.40			
STACKS: - TOTAL NO.	4	4	4	4	3			
- HEIGHT (FEET), LOWEST - HIGHEST [8]	246.00 298.00	250.00	101.00 198.00	130.00 146.00	203.00	498.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						.40		
TOTAL ASH: COLLECTED (1,000 TONS) [10]	43.00	164.30				1.00		
SOLD (1,000 TONS) [11]								
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]								
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	172.00							
ELECTROSTATIC PRECIPITATORS ($1,000)		803.80			2,167.30			
COMBINATION PRECIPITATORS ($1,000) [4]	680.00	937.20						
DESULFURIZATION SYSTEMS ($1,000)								
STACKS ($1,000)	194.10	839.20			914.25			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	172.00	170.00			48.00			
REVENUES FROM SALE OF ASH ($1,000)								
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	172.00	170.00			150.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)								

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MAUMEE RIVER	MAUMEE BAY	WELLS	WELLS	BRIDGEPORT HARBOR			
AVERAGE RATE OF WITHDRAWAL (CFS)	255.00	1,127.00	.66	6.19	619.82			
AVERAGE RATE OF DISCHARGE (CFS)	255.00	1,127.00	.35		619.82			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	2.19	9.69	.32	5.33	5.33			
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	SEP JAN	SEP FEB	AUG JAN			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 40.00	82.00 42.00			79.00 40.00			
AT OUTFALL, SUMMER - WINTER	91.00 49.00	88.00 50.00	85.00 65.00	110.00 85.00	100.00 59.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	4,400.00				748.98			
- WINTER	6,371.00				765.71			
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	H	C	H			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.38	.11	5.50 .02	17.00 .05	1.00			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	20.45	9.05	.20	23.10	157.72			
LIME (TONS), COOLING WATER - BOILER MAKEUP								
ALUM (TONS), COOLING WATER - BOILER MAKEUP								
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	47.75	230.00	2.00	7.00				
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES YES	YES YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	OT	PS	PS	PS/ST			
[19] RECEIVING WATER BODY		MAUMEE BAY						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.80	8.16			6.50			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	316.00	62.00			3,000.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN								
- ASH SETTLING	3,100.00	17,000.00						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 314.50	4 638.00			1 399.50			
ONCE THROUGH COOLING (SALINE)								
COOLING POND(S)								
COOLING TOWER(S)			4 104.50	4 504.50				
COMBINATIONS [21]					2 261.00			
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1918 1951	1955 1968	1949 1954	1958 1967	1957 1968			
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00 21.50	9.50 13.40	15.00 18.00	21.00 28.00	11.20 17.90			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	607.00	1,149.00	218.00	402.00	837.01			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	607.00	1,149.00			837.01			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,158.00	3,298.00			3,398.63			
COOLING PONDS ($1,000)								
COOLING TOWERS ($1,000)			587.00	1,089.00	100.18			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.60	18.88			60.20			
COST OF CHEMICAL ADDITIVES ($1,000)	4.20	21.47	4.26	21.95	22.70			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	34.19	45.28			106.10			
COST OF CHEMICAL ADDITIVES ($1,000)	3.92	2.96	304.00	7.09	25.10			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	THE UNITED ILLUMINATING CO.	THE UNITED ILLUMINATING CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.		
4 NAME OF PLANT	ENGLISH	STEEL	ASHLEY	CAHOKIA	MERAMEC		
5 UTILITY-PLANT CODE	48950C-C2C0	48950C-0400	512500-0100	512500-0200	512500-0400		
6 STATE	CONNECTICUT	CONNECTICUT	MISSOURI	ILLINOIS	MISSOURI		
7 COUNTY	NEW HAVEN	FAIRFIELD	CITY OF ST. LOUIS	ST. CLAIR	ST. LOUIS		
8 AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	042 01	043 01	070 07	070 07	070 07		
9 PLANT CAPACITY (MW)	146.30	155.50	70.00	330.00	923.00		
10 ANNUAL GENERATION (MWH) [3]	689,000	570,000	47,000	418,400	5,471,100		
11 PLANT HEAT RATE (BTU/KWH) [3]	15,511	17,935	24,015	18,059	10,186		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			239.00	267.20	2,407.40	
13 AVERAGE HEAT CONTENT (BTU/LB)			11,379	11,129	11,072	
14 AVERAGE SULFUR CONTENT (%)			2.07	3.29	2.85	
15 AVERAGE ASH CONTENT (%)			9.70	10.46	11.64	
16 AVERAGE MOISTURE CONTENT (%)			11.22	10.00	10.99	
17 OIL: CONSUMPTION (1,000 BARRELS)	1,690.00	1,633.00	2.30	259.80		
18 AVERAGE HEAT CONTENT (BTU/GAL)	150,580	149,111	138,000	152,000		
19 AVERAGE SULFUR CONTENT (%)	2.50	2.23	.10	2.00		
20 GAS: CONSUMPTION (1,000 MCF)					2,701.60	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,050	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	14	27	5	22	4	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	2	7	5	8	4	
27 - NO. WITH COMBINATION PRECIPITATORS [4]					1	
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	19.00 30.00	19.00 30.00	23.00	23.00	23.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	95.00	95.00	90.00	90.00	97.50 98.00	
34 TESTED, LOW - HIGH			89.10 96.60	84.00 98.30	97.20 98.80	
35 EST., LOW - HIGH	47.00	5.00 60.00	95.00	95.00	99.00	
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH					60.00	

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.21	.23	.99	1.23	2.38	
40 SULFUR DIOXIDE (1,000 TONS)	14.17	12.21	9.70	18.97	134.48	
41 NITROGEN OXIDES (1,000 TONS)	3.73	3.60	2.15	2.98	22.17	
42 STACKS: - TOTAL NO.	6	7	4	6	4	
43 - HEIGHT (FEET), LOWEST - HIGHEST [8]	233.00 235.00	175.00 182.00	180.00 186.00	329.00	250.00 350.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	.10	.10			7.60	
45 TOTAL ASH: COLLECTED (1,000 TONS) [10]	.36	.18	22.20	26.90	278.00	
46 SOLD (1,000 TONS) [11]					59.00	
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51 ELECTROSTATIC PRECIPITATORS ($1,000)	247.94	385.55	364.00	847.00	2,973.00	
52 COMBINATION PRECIPITATORS ($1,000) [4]						
53 DESULFURIZATION SYSTEMS ($1,000)					1,304.00	
54 STACKS ($1,000)	155.93	191.48	92.00	318.00	850.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	2.95	1.40	77.00	83.70	188.00	
56 REVENUES FROM SALE OF ASH ($1,000)					88.00	
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					36.00	
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	31.30	29.50	103.00	83.70	224.00	
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)					88.00	

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	MILL RIVER	BRIDGEPORT HARBOR	MISSISSIPPI RIVER	MISSISSIPPI RIVER	MISSISSIPPI RIVER	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	406.24	228.68	16.00	95.00	706.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	406.24	228.68	16.00	95.00	706.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.49	1.97	.14	.82	6.07	
65 PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN	AUG JAN	JUL DEC	JUL DEC	JUL DEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	96.00 53.00	80.00 41.00	85.00 40.00	85.00 40.00	85.00 40.00	
67 AT OUTFALL, SUMMER - WINTER	116.00 64.00	96.00 53.00	105.00 60.00	105.00 60.00	105.00 60.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	387.35	207.75	204,000.00	204,000.00	204,000.00	
69 - WINTER	391.41	217.80	101,000.00	101,000.00	101,000.00	
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]	H	H	C	H	C	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	9.70	6.80	34.65	3.85	8.50	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	11.70	16.60		1.05	420.00	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP			312.04	36.31	122.50	
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP				6.00	220.00	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES	YES	YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST/SW	PS	PS	SW	ST	
78 RECEIVING WATER BODY [19]	MILL RIVER		MISSISSIPPI RIVER	MISSISSIPPI RIVER	MISSISSIPPI RIVER	
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			8.10			
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			1,331.00			
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82 - ASH SETTLING			72.00			

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)			4 70.00	6 310.00	4 923.00	
84 ONCE THROUGH COOLING (SALINE)	8 146.25	11 155.50				
85 COOLING POND(S)						
86 COOLING TOWER(S)						
87 COMBINATIONS [21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1929 1953	1923 1950	1917 1920	1924 1937	1953 1961	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	7.40 18.20	13.10 18.70	20.00	20.00	15.50 22.30	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	581.08	420.16	285.00	857.00	528.00	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	581.08	420.16	285.00	857.00	528.00	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	873.70	1,122.00	120.00	335.00	7,638.00	
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	101.10	53.30	8.00	22.00	66.00	
96 COST OF CHEMICAL ADDITIVES ($1,000)	5.60	12.00		44.00	16.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	55.10	82.40	10.00	27.00	80.00	
98 COST OF CHEMICAL ADDITIVES ($1,000)	7.20	7.50	38.00	5.00	42.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNITED POWER ASSOC.	
NAME OF PLANT	MOUND	SIOUX	VENICE #1	VENICE #2	STANTON	
UTILITY-PLANT CODE	5125[illegible]-0[illegible]	5125[illegible]-[illegible]	5125[illegible]-1[illegible]	5125[illegible]-11[illegible]	513500-C1CC	
STATE	MISSOURI	MISSOURI	ILLINOIS	ILLINOIS	NORTH DAKOTA	
COUNTY	CITY OF ST. LOUIS	ST. CHARLES	MADISON	MACISON	MERCER	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	070 07	070 07	070 07	070 07	172 1C	
PLANT CAPACITY (MW)	40.00	1,1[illegible].00	55.00	474.00	172.00	
ANNUAL GENERATION (MWH)[3]	4,4[illegible]	4,919,3[illegible]	3,2[illegible]	2,183,5[illegible]	981,8[illegible]	
PLANT HEAT RATE (BTU/KWH)[3]	22,662	9,499	32,82[illegible]	12,742	11,6C3	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		2,[illegible]78.4[illegible]		1,[illegible]21.6[illegible]	8[illegible]7.6[illegible]	
AVERAGE HEAT CONTENT (BTU/LB)		11,23[illegible]		11,462	7,[illegible]33	
AVERAGE SULFUR CONTENT (%)		2.67		2.55	.8[illegible]	
AVERAGE ASH CONTENT (%)		13.23		11.82	7.49	
AVERAGE MOISTURE CONTENT (%)		8.81		8.92	34.72	
OIL: CONSUMPTION (1,000 BARRELS)	10.00	4.00	10.90		11.80	
AVERAGE HEAT CONTENT (BTU/GAL)	152,000	138,000	138,000		141,783	
AVERAGE SULFUR CONTENT (%)	2.00	.10	.10		.10	
GAS: CONSUMPTION (1,000 MCF)	34.10		39.70	4,233.90		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,050		1,050	1,050		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	6	2	11	8	1	
- NO. OF WET BOTTOM		2				
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS					1	
- NO. WITH ELECTROSTATIC PRECIPITATORS		2		8		
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	23.00	23.00	23.00	23.00	23.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					85.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH					81.50	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		98.00		90.00 95.00		
TESTED, LOW - HIGH		97.90		87.80 95.10		
EST., LOW - HIGH		98.00		96.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.55		3.69	9.51	
SULFUR DIOXIDE (1,000 TONS)	.07	108.82		51.06	12.67	
NITROGEN OXIDES (1,000 TONS)	.03	57.19	.03	9.36	7.29	
STACKS: - TOTAL NO.	3	2	4	8	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	152.17 173.00	600.00	176.00 210.00	237.00	255.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]		273.90		114.80	53.00	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					115.50	
ELECTROSTATIC PRECIPITATORS ($1,000)		1,373.00		1,017.00		
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	22.00	1,525.00	40.00	418.00	150.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		125.00		203.00	33.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		181.00		219.00	33.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	MISSISSIPPI RIVER	MISSISSIPPI RIVER	MISSISSIPPI RIVER	MISSISSIPPI RIVER	MISSOURI RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	1.00	591.00	2.00	355.00	220.00	
AVERAGE RATE OF DISCHARGE (CFS)	1.00	591.00	2.00	355.00	219.80	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.01	5.08	.02	3.05	1.89 .20	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL OCT	JUL DEC	JUL DEC	JUL CEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 40.00	85.00 38.00	85.00 38.00	85.00 38.00	58.00 32.00	
AT OUTFALL, SUMMER - WINTER	105.00 60.00	105.00 58.00	105.00 58.00	110.00 53.00	80.00 74.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	204,000.00	106,000.00	204,000.00	204,000.00	29,740.00	
- WINTER	101,000.00	59,000.00	101,000.00	101,000.00	31,720.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C[16]	H	C	H	H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.35			8.48	1.20	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		477.68			1.33	
LIME (TONS), COOLING WATER - BOILER MAKEUP		140.00		160.25	39.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP					7.30	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		1.55				
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	SW	ST	ST	
RECEIVING WATER BODY[19]		MISSISSIPPI RIVER	MISSISSIPPI RIVER	MISSISSIPPI RIVER		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		6.60			9.00 9.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		50.00			.05 24.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					180.00	
- ASH SETTLING					19,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 40.00	2 1,099.60	2 55.00	6 474.00	1 172.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1926 1940	1967 1968	1924 1929	1942 1950	1966	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00	20.90	20.00	20.00	16.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	160.00	1,040.00	121.00	890.00	220.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	160.00	1,040.00	121.00	890.00	220.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	331.00	4,259.00	51.00	7,498.00	650.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.00	76.00		427.00	3.00	
COST OF CHEMICAL ADDITIVES ($1,000)						

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.00	123.00		125.00	44.00	
COST OF CHEMICAL ADDITIVES ($1,000)	.40	68.00		8.00	23.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	UNIVERSITY OF ILLINOIS	UPPER PENINSULA GEN. CO.	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.		
4	NAME OF PLANT	ABBOTT	PRESQUE ISLE	CARBON	GADSBY	HALE		
5	UTILITY-PLANT CODE	514500-01C0	516000-0100	517000-0500	517000-1000	517000-1500		
6	STATE	ILLINOIS	MICHIGAN	UTAH	UTAH	UTAH		
7	COUNTY	CHAMPAIGN	MARQUETTE	CARBON	SALT LAKE	UTAH		
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	066 05	126 04	219 14	220 16	220 16		
9	PLANT CAPACITY (MW)	30.00	174.72	188.64	251.64	59.00		
10	ANNUAL GENERATION (MWH) [3]		1,229,600	781,100	1,090,500	38,657		
11	PLANT HEAT RATE (BTU/KWH) [3]		10,922	11,320	11,655	14,984		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	142.22	507.60	361.21		9.21		
13	AVERAGE HEAT CONTENT (BTU/LB)	11,678	13,201	12,593		12,500		
14	AVERAGE SULFUR CONTENT (%)	2.26	1.50	.66		.55		
15	AVERAGE ASH CONTENT (%)	8.23	8.60	7.66		5.50		
16	AVERAGE MOISTURE CONTENT (%)	10.55	4.80	5.07		7.70		
17	OIL: CONSUMPTION (1,000 BARRELS)			3.56	1,613.74			
18	AVERAGE HEAT CONTENT (BTU/GAL)			140,000	154,837			
19	AVERAGE SULFUR CONTENT (%)			.10	.88			
20	GAS: CONSUMPTION (1,000 MCF)				2,668.40	624.90		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)				936	918		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	7	4	2	3	1		
23	- NO. OF WET BOTTOM		3					
24	- NO. WITH FLY ASH REINJECTION	3						
25	- NO. WITH MECHANICAL PRECIPITATORS	7	4	2				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							
27	- NO. WITH COMBINATION PRECIPITATORS [4]				2			
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	30.00 35.00	18.00 23.00	21.00	18.00	27.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	92.00 95.20	85.00	75.00 85.70				
31	TESTED, LOW - HIGH							
32	ESTIMATED, LOW - HIGH	85.00 90.00	75.00	75.00 80.70				
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH				97.00			
34	TESTED, LOW - HIGH				97.00	97.00		
35	EST. LOW - HIGH				97.00	97.00		
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	1.72	7.38	5.02	.07			
40	SULFUR DIOXIDE (1,000 TONS)	6.29	14.62	3.79	4.76			
41	NITROGEN OXIDES (1,000 TONS)	1.67	7.20	3.17	4.06	.12		
42	STACKS: - TOTAL NO.	2	4	2	3	1		
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	200.00 204.00	147.50 194.00	200.00	250.00	160.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	3.00						
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	11.80	43.60	20.53	.05	.22		
46	SOLD (1,000 TONS) [11]			2.05				
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	103.60	119.00	173.88				
51	ELECTROSTATIC PRECIPITATORS ($1,000)							
52	COMBINATION PRECIPITATORS ($1,000) [4]				600.75			
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	47.90	115.00	119.89	327.10	9.30		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	15.67	40.20	48.10	13.35			
56	REVENUES FROM SALE OF ASH ($1,000)			10.25				
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	15.67		48.10	13.35			
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			10.25				

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	CITY WATER	DEAD RIVER	PRICE RIVER	JORDAN RIVER	PROVO RIVER		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	.10	171.00	3.00	5.00	60.00		
63	AVERAGE RATE OF DISCHARGE (CFS)	.05	171.00	1.00		60.00		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.10	1.47	2.00	5.00	.52		
65	PEAK LOAD MONTH : SUMMER - WINTER [15]		JUN DEC	AUG DEC	AUG DEC			
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		66.00 38.00					
67	AT OUTFALL, SUMMER - WINTER		78.00 57.00					
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			100.00		260.00		
69	- WINTER			15.00		420.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C [16]		H					
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.40	1.63	18.25 .30	17.50 4.00	.05		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	49.40	.15	.30	.30	.05		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		8.00	4.00	36.00			
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES	YES YES	YES YES	YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	PS	ST	ST	PS	ST		
78	RECEIVING WATER BODY [19]							
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		8.00	9.80				
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
82	- ASH SETTLING		1,350.00	21,700.00				

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING : ONCE THROUGH COOLING (FRESH)		4 174.72			2 59.00		
84	ONCE THROUGH COOLING (SALINE)							
85	COOLING PONDS(S)							
86	COOLING TOWER(S)	7 30.00		2 188.64	3 251.64			
87	COMBINATIONS [21]							
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1960	1955 1966	1954 1957	1951 1955	1936 1950		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	10.00	20.00 26.00	19.00 20.00	11.00 13.00	7.00 16.00		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90.00	171.00	221.00	494.50	534.30		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		185.00					

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		1,166.00			46.41		
93	COOLING PONDS ($1,000)							
94	COOLING TOWERS ($1,000)	194.00		480.51	1,805.55			

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.20	5.00	58.00	130.80	.75		
96	COST OF CHEMICAL ADDITIVES ($1,000)	.59	2.20	45.00	41.20			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	17.50	11.70	17.50	55.00	2.53		
98	COST OF CHEMICAL ADDITIVES ($1,000)	9.48	3.00	1.70	10.43	.20		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.		
NAME OF PLANT	JORDAN	NAUGHTON	BRENT BLUFF	CHESTERFIELD	MOUNT STORM		
UTILITY-PLANT CODE	517000-17700	517000-20000	525000-03200	525000-03800	525000-07000		
STATE	UTAH	WYOMING	VIRGINIA	VIRGINIA	WEST VIRGINIA		
COUNTY	SALT LAKE	LINCOLN	FLUVANA	CHESTERFIELD	GRANT		
AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	220 16	243 16	224 02	225 02	113 02		
PLANT CAPACITY (MW)	25.00	380.80	284.28	1,484.44	1,140.48		
ANNUAL GENERATION (MWH) 3/	393	2,199,800	1,338,700	5,432,600	6,578,600		
PLANT HEAT RATE (BTU/KWH) 3/	18,587	10,252	10,520	9,895	9,644		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		1,216.34	541.60	1,622.10	2,656.50		
AVERAGE HEAT CONTENT (BTU/LB)		9,277	12,922	13,009	11,932		
AVERAGE SULFUR CONTENT (%)		.55	.99	1.23	2.06		
AVERAGE ASH CONTENT (%)		5.00	9.78	9.53	17.42		
AVERAGE MOISTURE CONTENT (%)		22.00	4.59	4.56	5.00		
OIL: CONSUMPTION (1,000 BARRELS)	1.26	2.82		1,797.90			
AVERAGE HEAT CONTENT (BTU/GAL)	154,881	140,000		148,190			
AVERAGE SULFUR CONTENT (%)	.79	.10		2.32			
GAS: CONSUMPTION (1,000 MCF)	.69						
AVERAGE HEAT CONTENT (BTU/CU.FT.)	935						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	2	4	6	2		
- NO. OF WET BOTTOM			2				
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS		2	2	1			
- NO. WITH ELECTROSTATIC PRECIPITATORS				4	2		
- NO. WITH COMBINATION PRECIPITATORS 4/				1			
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	18.00	21.00	18.00 25.00	20.00 25.00	23.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		80.00	85.30 87.20	85.00			
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH		80.00	70.00	80.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH				90.00 99.50	96.00		
TESTED, LOW - HIGH				90.25 96.40			
EST., LOW - HIGH				85.00 93.50	70.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)		10.34	14.35	5.68	118.00		
SULFUR DIOXIDE (1,000 TONS)		13.11	10.51	53.10	107.26		
NITROGEN OXIDES (1,000 TONS)		10.95	5.01	18.56	23.91		
STACKS: - TOTAL NO.	1	2	4	6	2		
- HEIGHT (FEET), LOWEST - HIGHEST 8/	225.00	200.00 225.00	140.00 200.00	200.00 419.00	350.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/							
TOTAL ASH: COLLECTED (1,000 TONS) 10/		51.70	41.00	107.84	363.00		
SOLD (1,000 TONS) 11/				107.84			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		316.33	356.00	16.00			
ELECTROSTATIC PRECIPITATORS ($1,000)				4,223.00	4,744.00		
COMBINATION PRECIPITATORS ($1,000) 4/				274.00			
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	28.52	443.91	166.00	819.00	695.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		27.96	28.00	378.00	1,386.70		
REVENUES FROM SALE OF ASH ($1,000)				36.00			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/			29.00	379.00	1,391.70		
TOTAL BYPRODUCT SALES REVENUES ($1,000)				36.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	JORDAN RIVER	HAMS FORK RIVER	JAMES RIVER	JAMES RIVER	STONY RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	60.20	7.00	387.60	1,633.00	1,126.00		
AVERAGE RATE OF DISCHARGE (CFS)	60.00		387.60	1,633.00	1,125.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	.52	7.00	3.33	14.04	1.00		
PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG DEC	AUG DEC	JUL DEC	JUL DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			91.00 42.00	94.00 48.00	84.00 42.00		
AT OUTFALL, SUMMER - WINTER			118.00 88.00	116.00 70.00	103.00 61.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	260.00		4,220.00	4,760.00	8.60		
- WINTER	420.00		4,490.00	4,800.00	4.03		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O 16/			C	C	O		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.01	7.54 .05		.50	.86		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	.09		.25	3.50 3.37		
LIME (TONS), COOLING WATER - BOILER MAKEUP		19.75					
ALUM (TONS), COOLING WATER - BOILER MAKEUP			7.35	80.00			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		8.00		63.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES YES	YES YES	NO YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	ST	ST	ST	ST		
19/ RECEIVING WATER BODY			JAMES RIVER	JAMES RIVER	COOLING POND		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		8.40	7.50	7.00	9.50 8.50		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			250.00	5.00	2,000.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					315.24		
- ASH SETTLING		17,600.00		576.00	3,130.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING 20: ONCE THROUGH COOLING (FRESH)	1 25.00		4 284.28	6 1,484.44			
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)		2 380.80					
COMBINATIONS 21/					2 1,140.48		
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1929	1963 1968	1931 1958	1944 1969	1965		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	11.00	24.50	10.00 21.00	12.20 23.50	19.30		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	85.00	296.00	380.60	1,633.56	1,126.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	85.00		387.60	1,633.42			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	29.67		2,008.00	6,482.00			
COOLING PONDS ($1,000)					6,523.00		
COOLING TOWERS ($1,000)		1,265.70			380.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	.40	14.70	18.80	54.00	10.28		
COST OF CHEMICAL ADDITIVES ($1,000)		30.80	5.20	6.22	2.58		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	.30	21.80	28.00	64.00	77.00		
COST OF CHEMICAL ADDITIVES ($1,000)	.10	11.70	1.00	12.10	1.89		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	
NAME OF PLANT	PORTSMOUTH	POSSUM POINT	REEVES AVENUE	12TH STREET	YORKTOWN	
UTILITY-PLANT CODE	525000-0900	525000-1000	525000-1100	525000-1300	525000-1400	
STATE	VIRGINIA	VIRGINIA	VIRGINIA	VIRGINIA	VIRGINIA	
COUNTY	CHESAPEAKE	PRINCE WILLIAM	NORFOLK	RICHMOND	YORK	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	223 C2	047 02	223 C2	225 02	223 02	
PLANT CAPACITY (MW)	649.64	491.00	100.00	102.50	375.00	
ANNUAL GENERATION (MWH)[3]	3,354,700	2,795,700	237,473	220,909	2,219,800	
PLANT HEAT RATE (BTU/KWH)[3]	10,230	10,408	15,405	14,314	10,068	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	348.00	430.00	128.00	112.40	779.80	
AVERAGE HEAT CONTENT (BTU/LB)	13,432	13,226	13,606	13,931	13,322	
AVERAGE SULFUR CONTENT (%)	1.00	.89	1.04	1.24	2.02	
AVERAGE ASH CONTENT (%)	9.06	8.55	8.31	6.65	6.54	
AVERAGE MOISTURE CONTENT (%)	3.94	4.77	3.95	4.24	6.58	
OIL: CONSUMPTION (1,000 BARRELS)	3,963.40	2,841.20				
AVERAGE HEAT CONTENT (BTU/GAL)	148,078	148,334				
AVERAGE SULFUR CONTENT (%)	2.21	2.21				
GAS: CONSUMPTION (1,000 MCF)					724.70	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,102	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	4	2	2	2	
- NO. OF WET BOTTOM			2	2		
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	3				1	
- NO. WITH ELECTROSTATIC PRECIPITATORS	1	4	2	2		
- NO. WITH COMBINATION PRECIPITATORS[4]					1	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00 24.00	20.00 25.00	23.50	32.00	22.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00				85.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	85.50 87.20				80.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00 96.00	92.00 95.00	90.00		99.40	
TESTED, LOW - HIGH	88.50		91.00		93.75	
EST., LOW - HIGH	95.00 96.00	92.00 95.00	90.00		99.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.12	1.31	.43	.49	4.80	
SULFUR DIOXIDE (1,000 TONS)	36.21	28.57	2.61	2.73	30.87	
NITROGEN OXIDES (1,000 TONS)	11.87	10.13	1.92	1.69	7.16	
STACKS: - TOTAL NO.	4	4	2	1	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	175.00 200.00	175.00 176.50	200.00 215.00	150.00	325.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	28.50	25.40	10.60	6.80	50.00	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	479.00				203.00	
ELECTROSTATIC PRECIPITATORS ($1,000)	565.00	1,839.00	312.00	191.00	1,579.00	
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	341.00	229.00	19.00	10.00	214.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	120.00	88.00	68.00	32.00	179.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	121.00	101.00	68.00	32.00	180.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	S BR ELIZABETH R.	POTOMAC RIVER	ELIZABETH RIVER	KANAWHA CANAL	YORK RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	794.70	350.00	100.40	296.40	447.00	
AVERAGE RATE OF DISCHARGE (CFS)	794.70	349.84	100.40	296.40	447.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.83	3.01 .16	.86	2.55	3.84	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	93.00 55.00	88.00 47.00	87.00 45.00	90.00 43.00	87.00 52.00	
AT OUTFALL, SUMMER - WINTER	108.00 70.00	107.00 66.00	96.00 55.00	97.00 48.00	105.00 70.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	34.00	4,210.00	25.00	4,567.00	1,730.00	
- WINTER	54.00	10,780.00	40.00	4,607.00	1,850.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	H	H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.80		1.75	.36		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	327.62		.50	.75	154.00	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	113.00				91.25	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	NO YES	YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	SW	ST	
RECEIVING WATER BODY		POTOMAC RIVER		JAMES RIVER		
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	7.60	7.50			6.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	250.00	200.00				
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	126,144.00				1,268.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 491.00			4 102.50		
ONCE THROUGH COOLING (SALINE)	4 649.70		2 100.00		2 375.00	
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1962	1948 1962	1941 1950	1919 1940	1957 1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.00 17.90	17.90 22.00	9.40 11.00	10.00	14.80 14.90	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	794.70	543.30	100.40	296.40	447.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	794.70	543.30	100.40	296.40	490.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,448.00	2,771.00	142.00	72.00	3,026.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	73.00	15.00	15.00	6.00	49.00	
COST OF CHEMICAL ADDITIVES ($1,000)	12.00				10.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	120.00	52.00	25.00	17.70	13.00	
COST OF CHEMICAL ADDITIVES ($1,000)	32.00	1.00	3.00	1.00	12.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	WASHINGTON R. POWER SUPPLY SYS.	WEST PENNSYLVANIA POWER CO.	WEST PENNSYLVANIA POWER CO.	WEST PENNSYLVANIA POWER CO.	WEST PENNSYLVANIA POWER CO.		
NAME OF PLANT	HANFORD	ARMSTRONG	MILESBURG	MITCHELL	SPRINGDALE		
UTILITY-PLANT CODE	53150-0100	54200-0100	54200-0300	54200-0400	54200-0500		
STATE	WASHINGTON	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA		
COUNTY	BENTON	ARMSTRONG	CENTRE	WASHINGTON	ALLEGHENY		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	230 17	197 05	195 02	197 05	197 05		
PLANT CAPACITY (MW)	860.00	326.40	46.00	448.70	416.13		
ANNUAL GENERATION (MWH) [3]	3,646,200	2,398,400	263,200	2,721,300	1,569,200		
PLANT HEAT RATE (BTU/KWH) [3]		10,237	12,988	11,259	12,071		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		1,053.00	160.00	1,167.00	750.00	
AVERAGE HEAT CONTENT (BTU/LB)		11,659	12,673	12,580	12,588	
AVERAGE SULFUR CONTENT (%)		4.12	2.04	3.00	2.46	
AVERAGE ASH CONTENT (%)		16.89	21.63	11.92	11.48	
AVERAGE MOISTURE CONTENT (%)		4.43	6.45	4.68	5.42	
OIL: CONSUMPTION (1,000 BARRELS)		2.06	1.41		4.74	
AVERAGE HEAT CONTENT (BTU/GAL)		139,000	139,000		139,000	
AVERAGE SULFUR CONTENT (%)		.25	.25		.25	
GAS: CONSUMPTION (1,000 MCF)				52.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,050		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.		2	2	4	5	
- NO. OF WET BOTTOM					3	
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS		2		4	5	
- NO. WITH COMBINATION PRECIPITATORS [4]			2			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]		20.00	20.00	20.00	20.00 50.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH		95.00		95.00	92.00 98.00	
TESTED, LOW - HIGH		96.20 98.20	82.00	92.00	90.80	
EST., LOW - HIGH		96.00 98.00	80.00	80.00 95.00	70.00 98.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		4.53	5.91	13.11	6.13	
SULFUR DIOXIDE (1,000 TONS)		85.03	6.42	71.15	34.38	
NITROGEN OXIDES (1,000 TONS)		9.48	1.45	10.90	7.48	
STACKS: - TOTAL NO.		2	1	4	5	
- HEIGHT (FEET), LOWEST - HIGHEST [8]		230.00	250.00	193.00 230.00	211.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]		178.60	33.10	150.10	91.70	
SOLD (1,000 TONS) [11]		33.80		44.70	5.90	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)		1,338.00		1,306.00	1,604.00	
COMBINATION PRECIPITATORS ($1,000) [4]			836.00			
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)		184.00	165.00	246.00	100.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		66.70	12.40	122.20	87.30	
REVENUES FROM SALE OF ASH ($1,000)		30.80		23.10	6.80	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		71.20	13.90	126.70	91.80	
TOTAL BYPRODUCT SALES REVENUES ($1,000)		30.80		23.10	6.80	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	COLUMBIA RIVER	ALLEGHENY RIVER	SPRING CREEK	MONONGAHELA RIVER	ALLEGHENY RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	836.00	300.00	75.00	700.00	650.00	
AVERAGE RATE OF DISCHARGE (CFS)	836.00	299.95	74.09	699.85	649.70	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	7.19	2.58 .05	.65 .01	6.02 .15	5.59 .30	
PEAK LOAD MONTH : SUMMER - WINTER [15]	SEP JAN	JUL DEC	JUL DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66.00 32.00	75.00 36.00	63.00 43.00	80.00 38.00	77.00 34.00	
AT OUTFALL, SUMMER - WINTER	98.00 64.00	105.00 66.00	80.00 60.00	99.00 57.00	91.00 48.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	95,000.00	7,640.00	118.00	5,870.00	9,080.00	
- WINTER	120,000.00	18,800.00	140.00	11,200.00	23,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	C	C	H	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.55	.08	.65	.78	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		44.96	.05	2.08	2.45	
LIME (TONS), COOLING WATER - BOILER MAKEUP		4.00		4.50	30.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP		10.00		3.00	48.60	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		12.00		2.63	65.25 6.75	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	NO YES	NO YES	YES YES	NO YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY [19]	TILE FIELD				FRENCH DRAIN	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			7.30			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
- ASH SETTLING			35,131.24		61,350.10	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 860.00	2 326.40	2 40.00	3 449.00	8 416.53	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965	1958 1959	1950	1948 1963	1920 1954	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	32.00	29.00 30.00	17.00	18.00 21.00	11.00 23.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,250.00	275.40	68.00	648.00	975.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,250.00	277.00	68.00	656.00	742.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,056.00	1,316.00	172.00	1,193.00	2,263.00
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	77.50	14.20	132.30	151.00
COST OF CHEMICAL ADDITIVES ($1,000)	.50	1.20		2.30	11.00

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	.06	29.70	10.60	72.80	73.90
COST OF CHEMICAL ADDITIVES ($1,000)	1.98	6.10	.50	6.80	8.90

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.		
NAME OF PLANT	ABILENE	CONCHO	LAKE PAULINE	OAK CREEK	RAINT CREEK		
UTILITY-RLANT CCOE	543000-0100	543000-0200	543000-0400	543000-0600	543000-0700		
STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS		
COUNTY	TAYLOR	TOM GREEN	HARDEMAN	COKE	HASKELL		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESCURCE REGION NO. [2]	210 12	218 12	210 11	218 12	210 12		
RLANT CAPACITY (MW)	26.25	52.50	44.50	81.60	126.40		
ANNUAL GENERATION (MWH) [3]	14,958		114,700	498,300	446,300		
RLANT HEAT RATE (BTU/KWH) [3]	14,221		13,522	10,041	11,851		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)							
AVERAGE HEAT CONTENT (BTU/LB)							
AVERAGE SULFUR CONTENT (%)							
AVERAGE ASH CONTENT (%)							
AVERAGE MOISTURE CONTENT (%)							
OIL: CONSUMPTION (1,000 BARRELS)							
AVERAGE HEAT CONTENT (BTU/GAL)							
AVERAGE SULFUR CONTENT (%)							
GAS: CONSUMPTION (1,000 MCF)	195.24	434.00	1,407.00	4,327.00	4,360.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,090	1,077	1,103	1,156	1,162		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	4	4	1	3		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL RRECIRITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION RRECIPITATORS [4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	8.00	8.00	11.00	5.00 8.00		
MECHANICAL RRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)							
SULFUR OIDX10E (1,000 TONS)							
NITROGEN OXIDES (1,000 TONS)	.04	.08	.27	.84	.85		
STACKS: - TOTAL NO.	3	4	2	1	3		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	100.00 105.00	109.00	112.00 113.50	130.00	100.00 127.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							
TOTAL ASH: COLLECTED (1,000 TONS) [10]							
SOLD (1,000 TONS) [11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000) [4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)				14.00	29.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]							
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	LAKE PHANTOM	CITY WATER	LAKE PAULINE	OAK CREEK LAKE	LAKE STAMFORD		
AVERAGE RATE OF WITHDRAWAL (CFS)	.18	.16	94.87	83.00	86.62		
AVERAGE RATE OF DISCHARGE (CFS)	.06	.04	94.87	83.00	86.62		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.12	.12	.22	.74	.74		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			93.00 90.00	84.00 55.00	86.00 53.00		
AT OUTFALL, SUMMER - WINTER	90.00	78.00 70.00	100.00 61.00	104.00 92.00	107.00 73.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER							
- WINTER							
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]	H	H	H	H	H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.15 .25	.35	.25 .21	.65		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.05	.90		.15		
LIME (TONS), COOLING WATER - BOILER MAKEUP	11.20	30.50		.30	12.85		
ALUM (TONS), COOLING WATER - BOILER MAKEUP		1.25		.08	1.50		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]	.15	.90	6.00	2.20	3.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	ND YES	YES	ND YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	PS	ST	ST	ST		
[19] RECEIVING WATER BODY							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)							
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)			2 44.50	1 81.60	3 126.40		
COOLING TOWER(S)	2 26.25	2 52.50					
COMBINATIONS [21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1949	1947 1953	1928 1951	1962	1953 1959		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	11.00	15.00 16.20	7.50 8.50	19.00	17.00 20.50		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	64.10	165.00	179.70	90.00	182.70		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)							

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)							
COOLING RONDS ($1,000)			192.00				
COOLING TOWERS ($1,000)	137.00	188.00					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXRENSES ($1,000)							
COST OF CHEMICAL ADDITIVES ($1,000)	.49	1.44	1.02	.45	.51		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXRENSES ($1,000)							
COST OF CHEMICAL ADDITIVES ($1,000)	.07	.24	3.97	.36	1.73		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WESTERN FARMERS ELECTRIC COOP.	WESTERN FARMERS ELECTRIC COOP.	WESTERN MASSACHUSETTS ELECTRIC CO.	
NAME OF PLANT	PIO PECOS	SAN ANGELO	ANADARKO	MOOREELAND	STATE ST.	
UTILITY-PLANT CODE	543900-C900	543900-1000	544000-0100	544000-0300	545500-0900	
STATE	TEXAS	TEXAS	OKLAHOMA	OKLAHOMA	MASSACHUSETTS	
COUNTY	CROCKETT	TOM GREEN	CADDO	WOODWARD	HAMPDEN	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	218 I3	218 12	189 11	187 11	042 01	
PLANT CAPACITY (MW)	136.50	100.85	84.50	191.00	44.00	
ANNUAL GENERATION (MWH)[3]	725,100	895,900	140,800	849,400		
PLANT HEAT RATE (BTU/KWH)[3]	10,939	9,576	11,261	10,067		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					26.00	
AVERAGE HEAT CONTENT (BTU/LB)					13,869	
AVERAGE SULFUR CONTENT (%)					1.11	
AVERAGE ASH CONTENT (%)					6.66	
AVERAGE MOISTURE CONTENT (%)					3.54	
OIL: CONSUMPTION (1,000 BARRELS)					26.40	
AVERAGE HEAT CONTENT (BTU/GAL)					149,000	
AVERAGE SULFUR CONTENT (%)					2.40	
GAS: CONSUMPTION (1,000 MCF)	7,006.00	5,028.00	1,489.29	8,122.33		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,054	1,037	1,065	1,053		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	1	3	2	16	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION					12	
- NO. WITH MECHANICAL PRECIPITATORS					12	
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00		7.00 20.00	9.00 10.00	30.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH					35.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)					1.07	
SULFUR DIOXIDE (1,000 TONS)					.78	
NITROGEN OXIDES (1,000 TONS)	1.37	.98	.29	1.58	.25	
STACKS: - TOTAL NO.	2	1	3	2	8	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	110.00 119.00	113.00	101.00 111.50	125.00 153.50	42.00 210.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]					1.65	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					144.00	
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	22.00	6.70			72.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					2.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					2.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	WELLS	LAKE NASWORTHY	LAKE	WELLS	CONNECTICUT RIVER	
AVERAGE RATE OF WITHDRAWAL (CFS)	3.80	160.00	.46	2.42	1C.00	
AVERAGE RATE OF DISCHARGE (CFS)	1.50	160.00	.07	.36	1C.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.30	1.00	.39	2.05	.09	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	JUL JAN	JUL JAN	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 56.00	90.00 56.00			76.00 34.00	
AT OUTFALL, SUMMER - WINTER	92.00 84.00	106.00 82.00	91.00		104.00 60.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			.18	.70	11,035.00	
- WINTER				.35	9,100.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	C	C	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	22.50 1.40	.15	2.50 .20	16.81 .40	1.00	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	I.00		.03	.10		
LIME (TONS), COOLING WATER - BOILER MAKEUP	674.21					
ALUM (TONS), COOLING WATER - BOILER MAKEUP	2.20					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	3.15	6.50	1.88	8.15		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	NO YES	YES YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	ST	PS	
RECEIVING WATER BODY[19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					2 44.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)		1 100.85				
COOLING TOWER(S)	2 136.50		3 84.50	2 191.00		
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1959 1969	1965	1953 1959	1964 1968	1918 1921	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	18.40 22.10	12.75	12.00 16.00	15.00 17.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	164.00	174.00	155.80	253.96		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)					90.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)	242.00		245.78	401.40		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					4.00	
COST OF CHEMICAL ADDITIVES ($1,000)	32.25	I.13	7.00	25.40		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					2.00	
COST OF CHEMICAL ADDITIVES ($1,000)	1.58	1.36	1.20	1.40	1.50	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	WESTERN MASSACHUSETTS ELECTRIC CO.	WINNETKA, VILLAGE OF	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	1
2							2
3							3
4	NAME OF PLANT	W. SPRINGFIELD	WINNETKA	COMMERCE	LAKESIDE	N. OAK CREEK	4
5	UTILITY-PLANT CODE	54550C-1100	551500-0100	553000-0100	553000-0300	553000-0400	5
6	STATE	MASSACHUSETTS	ILLINOIS	WISCONSIN	WISCONSIN	WISCONSIN	6
7	COUNTY	HAMPDEN	COOK	MILWAUKEE	MILWAUKEE	MILWAUKEE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	042 01	067 04	239 04	239 04	239 04	8
9	PLANT CAPACITY (MW)	209.64	25.50	35.00	310.80	500.00	9
10	ANNUAL GENERATION (MWH)[3]	1,244,000	60,371	124,472	439,401	2,612,500	10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,950	17,800	13,426	16,556	9,800	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	429.62		22.13		42.96		1,083.80	12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,682		12,000		11,080		11,869	13
14	AVERAGE SULFUR CONTENT (%)	2.71		1.16		1.89		2.36	14
15	AVERAGE ASH CONTENT (%)	22.89		6.57		11.81		10.77	15
16	AVERAGE MOISTURE CONTENT (%)	5.48		10.00		12.37		8.90	16
17	OIL: CONSUMPTION (1,000 BARRELS)	650.38			15.97	80.45		1.62	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	148,600			151,153	135,192		134,466	18
19	AVERAGE SULFUR CONTENT (%)	2.40			.20	.40		.34	19
20	GAS: CONSUMPTION (1,000 MCF)			532.63	1,829.30	5,712.20			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,055	1,030	1,027			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3		5	1	20		4	22
23	- NO. OF WET BOTTOM								23
24	- NO. WITH FLY ASH REINJECTION			1					24
25	- NO. WITH MECHANICAL PRECIPITATORS			1					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	3						4	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]								27
28	- NO. WITH DESULFURIZATION SYSTEMS								28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 23.00	30.00 31.00		10.00	10.00		20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		91.80						30
31	TESTED, LOW - HIGH					85.80			31
32	ESTIMATED, LOW - HIGH		87.00			86.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00 97.50						93.50 99.00	33
34	TESTED, LOW - HIGH	96.40 98.80						50.50 99.50	34
35	EST., LOW - HIGH	65.00 98.80						22.00 93.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								36
37	TESTED, LOW - HIGH								37
38	ESTIMATED, LOW - HIGH								38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	7.05	.51		1.72		32.70		39
40	SULFUR DIOXIDE (1,000 TONS)	27.99	.50	.01	1.66		50.13		40
41	NITROGEN OXIDES (1,000 TONS)	5.29	.27	.39	1.60		8.13		41
42	STACKS: - TOTAL NO.	3	1	1	4		2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	180.00 223.00	251.50	300.70	231.00 253.23	250.25	350.25		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.14							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	97.95	1.42		4.50		70.40		45
46	SOLD (1,000 TONS)[11]								46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								49
50	[illegible] COSTS: MECHANICAL PRECIPITATORS ($1,000)		9.00						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	634.00					1,889.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]								52
53	DESULFURIZATION SYSTEMS ($1,000)								53
54	STACKS ($1,000)	634.00	111.00	120.00	231.00		246.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	34.29	5.84		7.40		141.70		55
56	REVENUES FROM SALE OF ASH ($1,000)								56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	34.28	5.84		7.40		141.70		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)								60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	CONNECTICUT RIVER	LAKE MICHIGAN	MILWAUKEE RIVER	LAKE MICHIGAN	LAKE MICHIGAN			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	307.00	31.10	44.40	290.70	781.70			62
63	AVERAGE RATE OF DISCHARGE (CFS)	307.00	31.10	44.40	290.70	781.70			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.64	.27	.38	2.50	6.72			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	77.00 39.00	78.00 45.00	76.00 38.00	64.00 38.00	61.00 37.00			66
67	AT OUTFALL, SUMMER - WINTER	98.00 60.00	91.00 57.00	83.00 47.00	75.00 50.00	69.00 46.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	3,870.00		410.00					68
69	- WINTER	9,100.00		115.00					69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[15]	C	C	H	H	H			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.33 4.65		1.15	4.25	2.44			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	8.06 2.64	.26	49.40		.06			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP								73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP								74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	5.12		3.28	2.63	9.84			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	NO YES	NO YES	NO YES			76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	PS	PS	OT			77
78	[19] RECEIVING WATER BODY								78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.20	8.20	6.50	10.10	6.90			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		1,200.00			200.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		70.00	242.00	740.00	293.40			81
82	- ASH SETTLING	445.50							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20A] ONCE THROUGH COOLING (FRESH)	3 209.64	4 25.50	1 35.00	8 280.00	4 500.00			83
84	ONCE THROUGH COOLING (SALINE)								84
85	COOLING POND(S)								85
86	COOLING TOWER(S)								86
87	COMBINATIONS[21]								87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1957	1937 1961	1941	1920 1930	1953 1957			88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00 21.85	12.00	10.50	7.50 10.00	9.00			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	241.70	80.74	85.00	1,070.00	980.00			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	307.00	80.74	85.00	1,070.00	980.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		254.00	219.00	557.00	1,814.00			92
93	COOLING PONDS ($1,000)								93
94	COOLING TOWERS ($1,000)								94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	42.00	13.29	26.10	84.30	96.80			95
96	COST OF CHEMICAL ADDITIVES ($1,000)	4.10		2.30	1.50	5.70			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.20	4.61	41.30	14.40	12.50			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	6.50	.71	7.30	2.40	10.00			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	WISCONSIN POWER & LIGHT CO.	WISCONSIN POWER & LIGHT CO.	
4	NAME OF PLANT	PORT WASHINGTON	S. OAK CREEK	VALLEY	BLACKHAWK	EDGEWATER	
5	UTILITY-PLANT CODE	553000-0500	553000-0600	553000-0700	554000-0200	554000-0300	
6	STATE	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	
7	COUNTY	OZAUKEE	MILWAUKEE	MILWAUKEE	ROCK	SHEBOYGAN	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	239 C4	239 C4	239 C4	073 07	237 C4	
9	PLANT CAPACITY (MW)	400.00	1,170.00	280.00	57.50	480.00	
10	ANNUAL GENERATION (MWH) [3]	1,888,300	6,488,700	1,003,300	288,300	627,100	
11	PLANT HEAT RATE (BTU/KWH) [3]	11,035	9,198	11,952	12,995	12,064	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	856.50	2,506.80	558.90	62.80	313.00	
13	AVERAGE HEAT CONTENT (BTU/LB)	12,158	11,848	11,730	11,481	12,065	
14	AVERAGE SULFUR CONTENT (%)	2.41	2.30	2.83	2.90	2.40	
15	AVERAGE ASH CONTENT (%)	11.17	10.60	10.84	7.70	7.40	
16	AVERAGE MOISTURE CONTENT (%)	6.61	8.76	9.47	13.85	9.75	
17	OIL: CONSUMPTION (1,000 BARRELS)		45.39			1.80	
18	AVERAGE HEAT CONTENT (BTU/GAL)		133,957			158,000	
19	AVERAGE SULFUR CONTENT (%)		.34			.55	
20	GAS: CONSUMPTION (1,000 MCF)			189.95	2,267.00		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,030	1,016		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	4	4	2	4	
23	- NO. OF WET BOTTOM					2	
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS				2		
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	5	4	4		3	
27	- NO. WITH COMBINATION PRECIPITATORS [4]						
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	28.00 30.00	20.00 21.00	20.00	10.00	12.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				88.00		
31	TESTED, LOW - HIGH				88.00		
32	ESTIMATED, LOW - HIGH				80.00		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	99.10 99.20	92.00 99.00	99.00		90.00 99.00	
34	TESTED, LOW - HIGH	99.30 99.60	70.00 99.40	99.00 99.60		92.40 99.30	
35	EST., LOW - HIGH	96.00 97.00	58.00 95.00	96.00 97.00		85.00 99.00	
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	2.11	31.85	1.83	.82	2.57	
40	SULFUR DIOXIDE (1,000 TONS)	40.48	113.06	31.70	3.57	16.05	
41	NITROGEN OXIDES (1,000 TONS)	6.43	21.86	5.67	1.01	7.10	
42	STACKS: - TOTAL NO.	2	2	2	1	3	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	505.17 505.50	454.29 556.67	400.00	226.00	200.00 360.00	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	92.10	241.30	62.40	4.10	14.10	
46	SOLD (1,000 TONS) [11]		8.00				
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				68.00		
51	ELECTROSTATIC PRECIPITATORS ($1,000)	2,517.00	2,794.00	1,229.00		1,106.00	
52	COMBINATION PRECIPITATORS ($1,000) [4]						
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)	763.00	971.00	706.00	50.00	474.00	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	266.60	276.70	177.90	12.70	27.00	
56	REVENUES FROM SALE OF ASH ($1,000)						
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	266.60	276.70	177.90	12.70	27.00	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	LAKE MICHIGAN	LAKE MICHIGAN	N MENOMONEE CANAL	ROCK RIVER	LAKE MICHIGAN	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	609.20	1,612.70	133.50	112.00	305.00	
63	AVERAGE RATE OF DISCHARGE (CFS)	609.20	1,612.70	133.50	112.00	305.00	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	5.24	13.87	1.15	.96	2.62	
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	60.00 48.00	61.00 37.00	74.00 54.00	78.00 45.00	68.00 41.00	
67	AT OUTFALL, SUMMER - WINTER	67.00 58.00	71.00 48.00	97.00 72.00	90.00 63.00	84.00 67.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			172.00	1,240.00		
69	- WINTER			167.00	700.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C [16]	H	H	H	C	C	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	5.00	5.70	3.55	.75	.53	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	48.00	.15	1,007.60	.02	4.80	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				.02		
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				.02		
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [7]	1.40	22.96	62.50	.02		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	NO YES	NO YES	NO YES	YES	YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	RS	OT	RS	RS	RS	
78	RECEIVING WATER BODY [19]						
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	6.80 7.50	6.90	7.30	10.20	8.50 7.60	
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	40.00 15.00	200.00		10.00		
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	128.00	631.60	1,700.00	120.00	430.00	
82	- ASH SETTLING	127,144.83				200,000.00	

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	5 400.00	4 1,170.00	2 280.00	2 57.50	4 490.00	
84	ONCE THROUGH COOLING (SALINE)						
85	COOLING POND(S)						
86	COOLING TOWER(S)						
87	COMBINATIONS [21]						
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1935 1950	1959 1967	1968 1969	1946 1949	1931 1969	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	7.50	11.00 16.00	21.80	12.00	11.00 15.00	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,225.00	1,760.00	250.00	152.00	526.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,225.00	1,760.00	250.00	156.00	526.00	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	697.00	1,640.00	857.00	56.00	300.00	
93	COOLING PONDS ($1,000)						
94	COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	90.90	183.90	26.50	5.60	14.00	
96	COST OF CHEMICAL ADDITIVES ($1,000)	.60	13.40	36.30			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	13.70	31.00	30.20	1.90	12.00	
98	COST OF CHEMICAL ADDITIVES ($1,000)	7.70	23.20	73.80	9.00	2.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	WISCONSIN POWER & LIGHT CO.	WISCONSIN POWER & LIGHT CO.	WISCONSIN PUBLIC SERVICE CORP.	WISCONSIN PUBLIC SERVICE CORP.		
NAME OF PLANT	NELSON DEWEY	ROCK RIVER	RULLIAM	WESTON		
UTILITY-PLANT CODE	5543?0-C600	554?0C-C990	554590-1500	5545CC-2?00		
STATE	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN		
COUNTY	GRANT	ROCK	BROWN	MARATHON		
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	068 07	073 07	237 04	238 07		
PLANT CAPACITY (MW)	227.27	159.38	392.5C	135.00		
ANNUAL GENERATION (MWH) [3]	1,454,9CC	987,900	2,308,3CC	9C3,6CC		
PLANT HEAT RATE (BTU/KWH) [3]	9,683	1C,234	1C,975	11,C31		
AIR QUALITY CONTROL DATA						
FUEL CONSUMPTION DATA (ANNUAL)						
COAL: CONSUMPTION (1,000 TONS)	631.60	440.40	1,C58.60	176.80		
AVERAGE HEAT CONTENT (BTU/LB)	11,151	11,471	11,934	11,693		
AVERAGE SULFUR CONTENT (%)	3.30	2.9C	2.42	3.24		
AVERAGE ASH CONTENT (%)	10.40	7.7C	11.85	1C.89		
AVERAGE MOISTURE CONTENT (%)	12.37	13.85	6.C1	9.15		
OIL: CONSUMPTION (1,000 BARRELS)	.15	.7C	11.0C	2.4C		
AVERAGE HEAT CONTENT (BTU/GAL)	158,CCC	158,CCC	139,CCC	139,CCC		
AVERAGE SULFUR CONTENT (%)	.55	.55	.3C	.3C		
GAS: CONSUMPTION (1,000 MCF)				5,625.2C		
AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,C35		
PLANT EQUIPMENT DATA						
BOILERS: - TOTAL NO.	2	2	8	2		
- NO. OF WET BOTTOM	2	2	8	2		
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS			6			
- NO. WITH COMBINATION PRECIPITATORS [4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	15.00	15.00	18.00 28.00	23.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH			90.00 93.00			
TESTED, LOW - HIGH			88.30 95.00			
EST., LOW - HIGH			86.00 95.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
PLANT OPERATING DATA AND COST OF EQUIPMENT						
EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	6.57	3.39	8.55	12.51		
SULFUR DIOXIDE (1,CCC TONS)	43.85	25.C3	5C.22	11.23		
NITROGEN OXIDES (1,CCC TONS)	17.37	12.11	15.9C	3.75		
STACKS: - TOTAL NO.	1	2	7	2		
- HEIGHT (FEET), LOWEST - HIGHEST [8]	352.00	250.CC	183.00 237.5C	189.50		
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]						
TOTAL ASH: COLLECTED (1,000 TONS) [10]	5C.10	25.C0	114.8C	1.80		
SOLD (1,CCC TONS) [11]			7.1C			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,CCC TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)			1,551.0C			
COMBINATION PRECIPITATORS ($1,000) [14]						
DESULFURIZATION SYSTEMS ($1,CCC)						
STACKS ($1,000)	185.00	3CC.0C	321.00	64.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	47.00	36.7C	7C.9C	5.00		
REVENUES FROM SALE OF ASH ($1,000)			2.5C			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,CCC)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	47.00	36.7C	7C.9C	5.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)			2.5C			
WATER QUALITY CONTROL DATA						
COOLING WATER: SOURCE	MISSISSIPPI RIVER	ROCK RIVER	FOX RIVER	WISCONSIN RIVER		
AVERAGE RATE OF WITHDRAWAL (CFS)	2C9.00	174.CC	615.80	139.9C		
AVERAGE RATE OF DISCHARGE (CFS)	2C9.00	174.CC	615.8C	139.9C		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.80	1.50	5.30	1.2C		
PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 44.00	72.00 34.CC	77.00 39.00	76.0C 38.CC		
AT OUTFALL, SUMMER - WINTER	100.00 65.00	88.C0 56.CC	89.00 55.00	95.0C 64.0C		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	40,CCC.CC	1,240.CC	3,229.00	2,905.00		
- WINTER	35,CCC.CC	7CC.CC	4,CCC.CC	2,229.CC		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, C [16]	C	C	H	H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.1C	1.5C	.62		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.05	.C2	3C.CC	2C.CC		
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP [17]		1.50	216.00	110.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	ST	ST	PS			
RECEIVING WATER BODY [19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.5C 7.6C	10.3C 7.6C				
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	8.00 2.CC	3.CC 3.CC				
VOLUME (1,CCC CUFT/YR), BOILER BLOWDOWN	75.00	60.CC		835.00		
- ASH SETTLING	6C,CCC.CC	65,CCC.CC		1C,645.CC		
COOLING FACILITY DATA						
NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	2 236.00	2 159.38	8 3C2.5C	2 135.CC		
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960 1962	1954 1955	1926 1964	1954 196C		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	15.CC	12.00	10.00 12.4C	17.7C 19.7C		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	223.2C	214.CC	837.8C	182.5C		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	222.8C	214.CC	838.0C	182.5C		
CAPITAL COSTS OF COOLING FACILITIES						
ONCE THROUGH COOLING SYSTEMS ($1,CCC)	3CC.CC	25C.CC	2,376.CC	623.0C		
COOLING PONDS ($1,CCC)						
COOLING TOWERS ($1,CCC)						
ANNUAL COOLING WATER EXPENSES						
OPERATION AND MAINTENANCE EXPENSES ($1,CCC)	19.CC	8.7C	6C.CC			
COST OF CHEMICAL ADDITIVES ($1,CCC)		.7C	17.4C	8.4C		
ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
OPERATION AND MAINTENANCE EXPENSES ($1,CCC)	13.CC	2C.CC	36.4C			
COST OF CHEMICAL ADDITIVES ($1,CCC)	.3C	2.5C	13.7C	5.2C		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

FOOTNOTES TO TABLE 10

1/ Tables 1B, 2B, 4B and 5B display Form 67 data as summarized by AQCR. See Appendix 3 for a map of these regions/numbers.

2/ Tables 6B, 7B, 8B and 9B display Form 67 data as summarized by WRR. See Appendix 4 for a map of these regions/numbers.

3/ Source: FPC Form #1

4/ Precipitator systems which include a mechanical and an electrostatic precipitator in series.

5/ First number is for the boiler with the least excess air; Second number is for the boiler with the highest excess air.

6/ First number is for precipitator with lowest efficiency; Second number is for precipitator with highest efficiency.

7/ Line 39-41 figures computed by FPC. Method of computation described in Section I.

8/ Height of lowest and highest stack in the plant.

9/ May include a variety of fuel oil additives designed to reduce boiler corrosion and to improve combustion.

10/ Tonnage includes bottom ash and flyash as reported in Form 67. The sum of lines 45 and 39 does not necessarily equal the total ash content. (See discussion in Section I above.)

11/ Includes bottom ash and flyash.

12/ Figures computed by FPC. Method of computation described in Section I above.

13/ May include the "incremental cost" of premium (low-sulfur) fuels.

14/ An approximation of assumed average conditions obtained by use of the formula that consumption = (.0086) x (withdrawal), which may be derived as follows:

Average heat rate (1969)	10,447 Btu/kwh
In-plant and stack losses (15%)	1,567 Btu/kwh
Heat equivalent of generation	3,413 Btu/kwh
Heat given up in condenser	5,467 Btu/kwh
Heat dissipated by evaporation (50%)	2,734 Btu/kwh
Heat of evaporation	1,050 Btu/lb

Water evaporated (consumed)	2.6 lb/kwh
Temperature rise across the condenser	18°F.
Flow through condenser (withdrawal)	304 lb/kwh
Ratio of consumption to withdrawal	.0086

15/ System peak power load month.

16/ C - continuously; H - hourly; D - daily; O - other.

17/ Major examples are: H_2SO_4, Na_2SO_3, Na_2SO_4, NaCl, NH_3 and Morpholine.

18/ PS - Public Sewer; ST - Septic tank; SW - surface water body, such as river, lake, ocean; OT - other.

19/ Refers to the discharges from the Boiler Blowdown pond and the Ash Settling pond.

20/ "Unit" refers to a turbine-generator set; capacity refers to maximum nameplate generator rating. There may be a difference in the generating capacity shown on line 9 of Table 10 and the sum of the capacities shown in lines 83 through 87. Minor differences usually resulted when capacities reported in lines 83 through 87 were not the maximum nameplate ratings. Major differences occured at plants with non-condensing units.

21/ Those units with a capability of using more than one cooling system.

22/ First number is for condenser with smallest temperature rise; second number is for condenser with highest temperature rise.

FPC Form 67
Rev (6-70)

APPENDIX 1

FORM APPROVED
BUDGET BUREAU
No. 54-R0085

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA FOR THE YEAR ENDED DECEMBER 31, ____

FULL LEGAL NAME OF RESPONDENT

ADDRESS (Give Number, Street, City, State and Zip Code)

COMPANY - PLANT CODE:

(USE THROUGHOUT THE REPORT)

PLANT NAME

PLANT LOCATION, INCLUDING COUNTY, STATE, NEAREST POST OFFICE, AND ZIP CODE

REPORT TO THE FEDERAL POWER COMMISSION

Note: This statement should be completed and filed in the

on or before _____

Name, title, and address of officer or other person to whom should be addressed any communication concerning this report

NAME AND TITLE

TELEPHONE NUMBER (Give Area Code)

ADDRESS

GENERAL INSTRUCTIONS

(1) An original and five conformed copies of this report form properly filled out and attested shall be filed with the Federal Power Commission on or before the first day of the fifth month following the close of the calendar or fiscal year for each plant operated by an electric utility with a steam-electric generating capacity of 25 megawatts or greater during the year covered, provided the plant is part of an electric utility system with a total capacity of 150 megawatts or more. This report form must also be filed for all plants with a steam-electric generating capacity of 25 megawatts or greater if the plants are located in a National Air Quality Control Region announced by the National Air Pollution Control Administration (Appendix A lists the National Air Quality Control Regions) even if they are part of a system with a total capacity of less than 150 megawatts.

(2) Six copies of the completed form, including the original if the report is typewritten, shall be returned to the Regional Office of the Federal Power Commission indicated on the cover. If more than one sheet is required for any pages label them Sheet 1; Sheet 2; etc. respectively. Retain a copy of the form for your files.

(3) All entries shall be legible and the form shall be suitable for reproduction.

(4) Information shall be furnished for the calendar year. Information on equipment and facilities shall be reported as of the end of the calendar year.

(5) Part I, Schedules A, B, C, and D, and Part II, Schedules A and B should be reported in full each year. Part I, Schedule E, and Part II, Schedules C, D, E, and F, should be completed for 1969 and every fifth year thereafter (1974, 1979, etc.); in the intervening years (1970, 1971, 1972, 1973, 1975, etc.) the data should be reported when equipment was: (a) placed in operation during the year; (b) altered during the year (i.e. installed, remodeled, removed or otherwise changed); or (c) not previously reported.

(6) Actual data are requested; however, estimated or calculated data may be reported, provided all such data are noted. Estimates should be identified by the letters "Est" following the entry, calculated data should be identified by the letters of "Cal." Estimates and calculations should be based on actual operating conditions during the year. If other conditions are assumed for any estimates or calculations, they should be specified in a footnote.

(7) Inconsistencies within this form and with other FPC forms should be explained.

(8) No deviation from these instructions should be undertaken without the approval of the Regional Office of the Federal Power Commission.

(9) Insert the word "none" where it is a true and complete answer to any inquiry. Insert the words "not applicable" in those sections or parts of sections which do not apply.

(10) All accounting words and phrases are to be interpreted in accordance with the Uniform System of Accounts for Public Utilities and Licensees prescribed by the Federal Power Commission. To the extent possible, costs and expenses should be reported in accordance with the above-mentioned Uniform System of Accounts.

GENERAL INSTRUCTIONS (Cont'd)

(11) Additional statements inserted for the purpose of further explanation of sections or items should be made on durable paper conforming to this form in size and width or margin except for the optional plant one-line diagram which may be of a convenient size as chosen by the respondent. Inserts should be securely bound in the report. Inserts should bear the titles of the sections and report form page numbers to which they pertain.

(12) All communications concerning this form and all requests for extra copies of individual pages should be addressed to the indicated Regional Office of the Commission. Additional copies of the complete form may be obtained from the Federal Power Commission, Washington, D. C. 20426 at 50 cents per copy.

DEFINITIONS

a. "Respondent", wherever used in this report, means the electric utility, regardless of type of ownership, in whose behalf the report is made.

b. The "capacity" of a generating unit is defined as the maximum generator nameplate rating at maximum hydrogen pressure.

c. Boilers having a "common breeching", as used herein, means two or more boilers whose flue gas outlet ducts are connected to the same ductwork and stack.

d. The terminology and criteria for performance of the flue gas cleaning equipment shall be as stated in the standards and publications of the Industrial Gas Cleaning Institute, and the American Society of Mechanical Engineers.

e. The terminology and criteria for performance of cooling towers shall be in accordance with the standards and publications of the Cooling Tower Institute.

f. The terminology and criteria for performance of condensers shall be as stated in the standards and publications of the American Society of Mechanical Engineers.

ABBREVIATIONS

Abbreviations as used herein conform to U. S. National Bureau of Standards · Special Publication 304.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

PART I - AIR QUALITY CONTROL DATA

Schedules A, B, C, and D

Instructions

1. Report annually.

2. Assign the same boiler designation to a specific boiler throughout the entire Part I of the form.

3. All footnotes should be shown on page 12.

4. If more than one sheet is required for any pages label them, for example, as page 5, sheet 1; page 5, sheet 2; etc., respectively.

FPC Form 67
Rev (6-70)

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	PLANT NAME	REPORT FOR YEAR ENDED
		DECEMBER 31, 19 ____

COMPANY - PLANT CODE	PLANT CAPACITY - MW	STATE	COUNTY	POST OFFICE AND ZIP CODE

Schedule A - Fuel Quality

SECTION 1 - Plant Fuel Consumption Data

QUALITY REPORTED ON (Check one) : ☐ (B) ... "As burned" basis ☐ (R) ... "As received" basis

Report percent sulfur, ash, and moisture figures as weighted averages for the month to the nearest 0.1 percent (based on weight of fuel consumed). Report fuel quality and Btu values on "as burned" basis; if quality is only available on "as received" basis, it may be so reported. If fuel represents a blend of two or more types of coal or oil with distinctly different qualities, this should be described in a footnote.

		COAL					OIL			GAS		
LINE NO.	MONTH (a)	CONSUMPTION 1000 Tons (b)	BTU per Pound (c)	AVG. % SULFUR (d)	AVG. % ASH (e)	AVG. % MOISTURE (f)	CONSUMPTION 1000 Bbls (g)	BTU per Gal. (h)	AVG. % SULFUR (i)	CONSUMPTION 1000 Mcf. (j)	BTU per cu. ft. (k)	CHECK FOR FOOTNOTE* (l)
01	JAN.											
02	FEB.											
03	MAR.											
04	APR.											
05	MAY											
06	JUNE											
07	JULY											
08	AUG.											
09	SEP.											
10	OCT.											
11	NOV.											
12	DEC.											
13	YEAR											

* All footnotes should be shown on page 12.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	COMPANY - PLANT CODE	REPORT FOR YEAR ENDED
PLANT NAME		DECEMBER 31, 19 _____

Schedule A - Fuel Quality (Cont'd)

Section 2 - Plant Fuel Source Data

LINE NO.	(a)	COAL		OIL			
		SOURCE (BUREAU OF MINES COAL DISTRICTS)* (b)	QUANTITY 1000 Tons (c)	SOURCE SUPPLIER ** (d)	SOURCE REFINERY OR PORT OF ENTRY *** (e)	QUANTITY 1000 Bbls (f)	CHECK FOR FOOTNOTE (g)****
14	SOURCE 1						
15	SOURCE 2						
16	SOURCE 3						
17	SOURCE 4						
18	SOURCE 5						
19	SOURCE 6						
20	SOURCE 7						
21	SOURCE 8						
22	ALL OTHER						

* List of Bureau of Mines Coal Districts is attached. If available, give name and location of mines (in footnote on page 12) supplying substantial portions of the coal used at the plant and the quantities supplied by each mine.

** If residual oil is delivered to a company-wide tank farm for distribution to more than one plant, explain in footnote.

*** Indicate refinery by "(R)" before refinery name; Port of entry by "(P)"; Other by "(O)". Explain "Other" in footnote.

**** All footnotes should be shown on page 12.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

PART I - AIR QUALITY CONTROL DATA

Schedule B - Operational Data

Instructions

(1) Efficiency of flue gas cleaning equipment (tested or estimated) is to be reported as the percent by weight of solids, or the percent by volume of gases removed from the flue gas when the flue gas cleaning equipment and associated boiler(s) operate at design capacity, and at the capacity factor for the year.

(2) Efficiency of flue gas cleaning equipment shall be reported to the nearest tenth of a percent.

(3) If a unit of flue gas cleaning equipment is multi-purpose indicate the units tested and estimated current efficiency in removing each emittant.

(4) If more than one unit of flue gas cleaning equipment serves a boiler, show the data for each unit and indicate the combined efficiency and net emission rate in a footnote. Report the operations of such combination of units in lines 25 - 31 and indicate in a footnote the types of units that are combined.

(5) For two or more boilers connected with a common breeching:
   (a) Use a separate sheet number 5 for reporting individual boiler fuel consumption and operation during the year.
   (b) If a group of boilers is served by a common fuel feeder so that fuel consumption at the individual boilers is not obtainable, indicate in the appropriate space all boilers so served.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19 ____

SCHEDULE B - OPERATIONAL DATA

A separate sheet (including Sections 1 and 2) should be prepared for each plant boiler.

01 **Section 1 - Fuel Consumption at Boiler No. _____ ***

LINE NO.	MONTH (a)	COAL (1000 Tons) (b)	OIL (1000 Bbls) (c)	GAS (1000 Mcf) (d)	CHECK FOR FOOTNOTE** (e)
02	JANUARY				
03	FEBRUARY				
04	MARCH				
05	APRIL				
06	MAY				
07	JUNE				
08	JULY				
09	AUGUST				
10	SEPTEMBER				
11	OCTOBER				
12	NOVEMBER				
13	DECEMBER				
14	TOTAL YEAR				

15 **Section 2 - Boiler Operation During Year, Boiler No. _____**

Enter as appropriate the following codes 1 thru 7 in columns (b), (c), (d), and (e), lines 16, 17 and 18; Actual hours of system peak need not be shown.

Boiler Operation	Code	Boiler Operation	Code
Continuous nominal full load	1	No-load hot standby	5
Less than full but over 75% load . . .	2	No-load cold standby	6
50% - 75% load	3	Other (explain in footnote, pg. 12) . .	7
Under 50% load	4		

LINE NO.	During Period of System (a)	WEEKDAYS: Average for consecutive four hours of highest output (Code only) (b)	WEEKDAYS: Average for consecutive four hours of lowest output (Code only) (c)	WEEKENDS *** : Average for consecutive four hours of highest output (Code only) (d)	WEEKENDS *** : Average for consecutive four hours of lowest output (Code only) (e)	CHECK FOR FOOTNOTE ** (f)
16	WINTER PEAK WEEK					
17	SUMMER PEAK WEEK					
18	LOWEST POWER PERIOD WEEK					
19	TOTAL HOURS OF BOILER OPERATION DURING YEAR:					
20	BOILER CAPACITY FACTOR, AVERAGE DURING YEAR, PERCENT:					

* If fuel consumption is for a group of boilers served by a common fuel feeder, please indicate in footnote, line 14; List all boiler numbers sharing the same fuel feeder (___, ___, ___, ___). Common fuel feeder may be shown on plant one-line diagram.

** All footnotes should be shown on page 12.

*** Midnight Friday to midnight Sunday.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19 ____

SCHEDULE B - OPERATIONAL DATA (Cont'd)

Section 3 - Flue Gas Cleaning Equipment

LINE NO.	(a)	BOILER NO. (b)	BOILER NO. (c)	BOILER NO. (d)	BOILER NO. (e)	CHECK FOR FOOTNOTE ** (f)
21	BOILER NUMBER					
	MECHANICAL SEPARATORS:					
22	TESTED EFFICIENCY					
23	DATE OF TEST (YEAR/MONTH/DAY)					
24	ESTIMATED EFFICIENCY AT ANNUAL OPERATING FACTOR (If no test during year)					
	ELECTROSTATIC OR COMBINATION MECHANICAL-ELECTRICAL PRECIPITATORS:					
25	TYPE (Code "E" for Electrostatic, or "C" for Combination)					
26	TOTAL HOURS FOR THE YEAR DURING WHICH ALL ELECTRICAL BUS SECTIONS ARE ENERGIZED AND WHILE BOILER IS OPERATING *					
27	TESTED EFFICIENCY					
28	DATE OF TEST (YEAR/MONTH/DAY)					
29	STATE NUMBER OF HOURS DURING YEAR WHEN PRECIPITATOR IS NOT FULLY OPERATIONAL WHILE BOILER IS OPERATING.					
30	ESTIMATED EFFICIENCY DURING PERIODS WHEN BOILER IS OPERATING BUT WHEN PRECIPITATOR IS NOT FULLY OPERATIONAL					
31	ESTIMATED EFFICIENCY AT ANNUAL OPERATING FACTOR (If no test during year) *					
	DESULFURIZATION SYSTEM: ***					
32	HOURS OF SERVICE DURING YEAR * ..					
33	TESTED EFFICIENCY					
34	DATE OF TEST (YEAR/MONTH/DAY) ...					
35	ESTIMATED EFFICIENCY AT ANNUAL OPERATING FACTOR (If no test during year)*					
	OTHER FLUE GAS CLEANING TYPE (Explain in footnote)					
36	HOURS IN SERVICE DURING YEAR*					

* Explain in footnote unusual operating conditions
** All footnotes should be shown on page 12.
*** When operational

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19 _____

SCHEDULE C - Disposal of Products Collected from Combustion Cycle at Plant

LINE NO.	(a)	LIMESTONE (b)	DOLOMITE (c)	OTHER ** (d)	CHECK FOR FOOTNOTE (e) ***
01	AMOUNT OF ADDITIVES USED (1000 tons)*				

LINE NO.	PRODUCT (a)	QUANTITIES (1000 tons)* TOTAL COLLECTED **** (b)	SOLD (c)	PAID DISPOSAL (d)	LAND FILL (e)	WATER DISPOSAL (f)	OTHER DISPOSAL (g)	CHECK FOR FOOTNOTE (h) ***
02	FLYASH							
03	BOTTOM ASH							
04	ELEMENTAL SULFUR							
05	SULFURIC ACID *****							
06	SULFUR DIOXIDE							
07	OTHER SULFUR PRODUCTS**							
08	OTHER PRODUCTS **							

* Report all quantities to nearest 0.1 thousand tons.
** Specify in footnote
*** All footnotes should be shown on page 12.
**** Total of products collected (column "b") should approximate the sum of columns "c" through "g".
***** Enter purity of acid: _____ % by weight.

SCHEDULE D - Air Quality Control, Plant Operation and Maintenance Expenses

LINE NO.	CHARGED TO: (a)	AMOUNT ($1000) (b)	CHECK FOR FOOTNOTE 1/ (c)
09	FLYASH COLLECTION AND DISPOSAL	$	
10	BOTTOM ASH COLLECTION AND DISPOSAL		
11	SULFUR AND SULFUR PRODUCT COLLECTION AND DISPOSAL		
12	COLLECTION AND DISPOSAL OF OTHER PRODUCTS FROM FLUE GAS (SPECIFY IN FOOTNOTE)		
13	OTHER AIR QUALITY CONTROL EXPENSES (SPECIFY IN FOOTNOTE)		
14	TOTAL AIR QUALITY CONTROL EXPENSE (TOTAL OF LINES 09 THROUGH 13)		
	REVENUES FROM AIR QUALITY CONTROL OPERATIONS:		
15	SALES OF FLYASH (IF SOLD AS FLYASH)		
16	SALES OF BOTTOM ASH (IF SOLD AS BOTTOM ASH)		
17	SALES OF FLYASH AND BOTTOM ASH (IF SOLD INTERMINGLED)		
18	SALES OF SULFUR AND SULFUR PRODUCTS		
19	OTHER REVENUES FROM AIR QUALITY CONTROL OPERATIONS (SPECIFY IN FOOTNOTE)		
20	TOTAL BY-PRODUCT SALES REVENUE FROM AIR QUALITY CONTROL OPERATIONS (TOTAL OF LINES 15 THROUGH 19)		

1/ All footnotes should be shown on page 12.

STEAM ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

PART I - AIR QUALITY CONTROL DATA

INSTRUCTIONS - Schedule E - Equipment (Design Parameters)

1. Report every five years, or as specified in item (5) of General Instructions, page ii.

2. Report separate data for each boiler and stack: Indicate which equipment and stack(s) are connected to which boiler by showing data for connected equipment in the same column.

3. Fuel consumption should be reported as follows: Coal in tons per hour, Oil in barrels per hour, Gas in thousand cubic feet per hour.

4. Total air flow during full load is to be reported in standard cubic feet per minute and also in terms of the percent of theoretical stoichiometric at 60^{o}F and atmospheric pressure.

5. If more than one unit of one category of flue gas cleaning equipment serves a boiler, show the data for each unit and indicate the combined efficiency and the net emission rate.

6. If a unit of flue gas cleaning equipment is multipurpose, indicate the efficiency and the mass emission rate for each emittant.

7. Design efficiency of flue gas cleaning equipment is to be stated as the percent by weight of emittant removed from the flue effluent when a plant and flue gas cleaning equipment and the associated boiler(s) operate at design capacity.

8. The design mass emission rate should be expressed in pounds of particulate matter or pounds of SO_2 (sulfur dioxide) per hour at the outlet from the flue gas cleaning equipment. It should be expressed in pounds of particulate or in pounds of specified other material collected under design conditions of both the plant and the flue gas cleaning equipment and the associated boiler(s), using current fuels.

9. The flue gas rate should be expressed in terms of actual cubic feet per minute at the top of the stack.

10. The exit gas temperature should be expressed in degrees Fahrenheit at the top of the stack.

11. The exit gas velocity should be expressed in feet per second at the top of the stack.

12. Cost should be reported as the original costs recorded on the utility's books of accounts and unitized as prescribed in the FPC List of Units of Property effective January 1, 1961. It is realized certain items called for in this report are not specifically unitized in the referenced list of property units. In this case the most accurate figure available is desired. In the case of stacks without foundation, include the stack cost plus those added costs which are essential to the stack operation and support.

13. All footnotes should be shown on page 12.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19____

SCHEDULE E - Equipment (Design Parameters)

PLEASE CIRCLE THE APPROPRIATE NUMBER: (1) Regular Plant Report (2) Placed in Operation during year (3) Altered during year (4) Not previously reported (5) Amended report

LINE NO.	Section 1 - Boiler Data (a)	BOILER NO. (b)	BOILER NO. (c)	BOILER NO. (d)	BOILER NO. (e)	CHECK FOR FOOTNOTE (f) **
01	BOILER NUMBER(S)					
02	SERVED BY STACK NUMBER					
03	RELATED TO GENERATOR NUMBER					
04	BOILER MANUFACTURER (Code as shown below)*					
05	YEAR BOILER PLACED IN SERVICE					
06	ASSOCIATED TURBO-GENERATING CAPACITY (Megawatts)					
07	MAXIMUM CONTINUOUS STEAM CAPACITY (Thousand pounds/hour)					
	DESIGN FUEL CONSUMPTION: 100% RATING					
08	COAL (Tons/hour)					
09	RESIDUAL OIL (Barrels/hour)					
10	GAS (Thousand cubic feet/hour)					
	PERCENT BOILER EFFICIENCY					
11	AT 100% LOAD					
12	AT 75% LOAD					
13	AT 50% LOAD					
	AIR FLOW AT 100% LOAD					
14	TOTAL AIR, STANDARD CUBIC FEET/MINUTE (Incl. Excess Air)					
15	PERCENT EXCESS AIR USED					
16	WET OR DRY BOTTOM - (Code as "Wet" or "Dry")(For Coal only)					
17	FLYASH REINJECTION - (Code "Yes" or "No")					
18	TYPE OF FIRING (Code as shown below)***					

* BOILER MANUFACTURERS:
- B&W - The Babcock & Wilcox Co.
- CE - Combustion Engineering, Inc.
- ERIG - Erie City Iron Works
- FW - Foster Wheeler Corp.
- RILY - Riley Stoker Corp.
- VOGT - Henry Vogt Machine Co., Inc.
- OTHE - Other (Specify in footnote)

** All footnotes should be shown on page 12.

*** TYPE OF FIRING (Where applicable, use more than one code):
- PCFR - Pulverized Coal: Front Firing
- PCOP - Pulverized Coal: Opposed Firing
- PCTA - Pulverized Coal: Tangential Firing
- CYCL - Cyclone
- SPRE - Spreader Stoker
- OSTO - Other Stoker
- FLUI - Fluidized Bed
- RFRO - Residual Oil: Front Firing
- ROPP - Residual Oil: Opposed Firing
- RTAN - Residual Oil: Tangential Firing
- GFRO - Gas: Front Firing
- GOPP - Gas: Opposed Firing
- GTAN - Gas: Tangential Firing
- OTHE - Other (Specify in footnote)

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME

PLANT NAME

COMPANY - PLANT CODE

REPORT FOR YEAR ENDED DECEMBER 31, 19 ____

SCHEDULE E - Equipment (Design Parameters) - Continued

Section 2 - Flue Gas Cleaning Equipment Data

LINE NO.	(a)	BOILER NO. (b)	BOILER NO. (c)	BOILER NO. (d)	BOILER NO. (e)	CHECK FOR FOOTNOTE (f) 1/
	BOILER NUMBERS (Enter same Boiler Numbers as indicated on page 9, line 01)					
	FLUE GAS CLEANING EQUIPMENT MECHANICAL COLLECTORS					
19	TYPE (Code as shown below)*					
20	DESIGN EFFICIENCY (Percent)					
21	MASS EMISSION RATE (Pounds per hour)**					
22	YEAR PLACED IN SERVICE					
23	INSTALLED COST (Thousands of dollars)***.....					
24	MANUFACTURER (Code as shown below)****					
	ELECTROSTATIC AND COMBINATION MECHANICAL-ELECTRICAL PRECIPITATORS					
25	TYPE (Code as "E" or "C")					
26	DESIGN EFFICIENCY (Percent)					
27	MASS EMISSION RATE (Pounds per hour)**					
28	YEAR PLACED IN SERVICE					
29	INSTALLED COST (Thousands of dollars)***.....					
30	MANUFACTURER (Code as shown below)****					
	DESULFURIZATION SYSTEM					
31	TYPE (Indicate by footnote).....					
32	DESIGN EFFICIENCY (Percent)					
33	MASS EMISSION RATE (Pounds per hour)**.....					
34	YEAR PLACED IN SERVICE					
35	INSTALLED COST (Thousands of dollars)***					
36	MANUFACTURER (Specify in footnote)					
	OTHER FLUE GAS CLEANING EQUIPMENT					
37	TYPE (Indicate by footnote).....					
38	DESIGN EFFICIENCY (Percent)					
39	MASS EMISSION RATE (Pounds per hour)**					
40	YEAR PLACED IN SERVICE					
41	INSTALLED COST (Thousands of dollars)***.....					
42	MANUFACTURER (Specify in footnote)					

1/ All footnotes should be shown on page 12.

* Mechanical Collectors - Type (If more than one type is used in a series, indicate all applicable codes and explain in footnote).

- GRAV - Gravitational or baffled chamber
- SCTA - Single cyclone-Conventional reverse flow, tangential inlet
- SCAX - Single cyclone-Conventional reverse flow, axial inlet
- MCTA - Multiple cyclones-Conventional reverse flow; tangential inlet.
- MCAX - Multiple cyclones-Conventional reverse flow; axial inlet
- CYCL - Straight-through-flow cyclones
- IMPE - Impeller collector
- VENT - Wet collector: Venturi
- WETC - Wet Collector: Other (Specify in footnote)
- BAGH - Baghouse (Fabric Collector)
- OTHE - Other (Specify in footnote)

** Pounds per hour = $\frac{\text{Grains/Actual Cu.Ft./ X /Actual Cu.Ft.Vol./Hr./}}{\text{7000/Grains/Pound}}$

*** See Instruction 12, page 8.

**** Flue Gas Cleaning Equipment Manufacturers (See page 11 for Codes)

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME

PLANT NAME

COMPANY - PLANT CODE | REPORT FOR YEAR ENDED DECEMBER 31, 19____

SCHEDULE E - Equipment (Design Parameters) - Continued

Section 3 - Stack Data

LINE NO.	(a)	STACK NUMBER (b)	STACK NUMBER (c)	STACK NUMBER (d)	STACK NUMBER (e)	CHECK FOR FOOTNOTE* (f)
43	STACK NUMBERS					
44	INSTALLED COST (Thousands of dollars)(Instruction 12, page B)					
45	STACK HEIGHT (Feet above Ground Elevation)					
46	INSIDE DIAMETER OF FLUE AT TOP (Inches)					
	FLUE GAS RATE (CUBIC FEET/MINUTE)					
47	AT 100% LOAD					
48	AT 75% LOAD					
49	AT 50% LOAD					
	EXIT GAS TEMPERATURE (DEGREES FARENHEIT)					
50	AT 100% LOAD					
51	AT 75% LOAD					
52	AT 50% LOAD					
	EXIT GAS VELOCITY (FEET/SECOND)					
53	AT 100% LOAD					
54	AT 75% LOAD					
55	AT 50% LOAD					
56	DISTANCE TO NEXT STACK, CENTER TO CENTER (FEET)**					
57	ORIENTATION OF LINE OF STACKS - DEGREES CLOCKWISE FROM TRUE NORTH**					

* All footnotes should be shown on page 12.

** Show position of stacks by stack number to correspond with the identification in line 43. Enter true north on the diagram.

Stacks Orientation Diagram:

FLUE GAS CLEANING EQUIP. MANUFACTURERS (See pg. 10)

AAFC - American Air Filter Co., Inc.
AMST - American Standard, Inc.
BELC - Belco Pollution Control Corp.
BUEL - Buell Engineering Co., Inc.
DUCO - The Ducon Co., Inc.
FIKL - Fischer-Klosterman, Inc.
FULL - Fuller Co., Oraco Products
KIRK - Kirk & Blum Manufacturing Co.
KOPP - Koppers Co., Inc.
PPCI - Precipitair Pollution Control, Inc.
PADA - Precipitation Associates of America, Inc.
PLVR - Pulverizing Machinery Division
COTT - Research-Cottrell, Inc.
SVRS - Seversky Electronatom Corp.
UOP - UOP Air Correction Division
TORI - The Torit Corp.
WEST - Western Precipitation Division
WHEE - Wheelabrator Corp.
ZURN - Zurn Industries, Inc.
OTHE - Other (Specify in footnote)

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART I - AIR QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19 _____

FOOTNOTES

FOOTNOTE FOR:			FOOTNOTE	
PAGE	SHEET	LINE	CODE *	TEXT

* Code in order - Schedule, Section, Line, and Column.

FPC Form 67
Rev (6-70)

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

PART II - WATER QUALITY CONTROL DATA

(Applicable to Nuclear and Fossil Fueled Steam-Electric Plants)

Schedules A and B

Instructions

1. Report annually.

2. All footnotes should be shown on page 20.

3. General instructions on pages i and ii also apply to this part of the form.

Schedule A - Operational Data

Instructions

1. In Section 1, the cooling water withdrawals should include amounts taken from lakes, reservoirs, streams, wells, estuaries and the ocean. When a utility-owned cooling pond is used, show only the makeup quantities taken from the supplying water bodies. The discharges should include the amounts of water returned to the water bodies.

2. In Section 2, the maximum temperature "at diversion" refers to the water temperature in the water body prior to any effect by the plant or diverting facilities. The maximum temperature "at outfall" refers to the water temperature of the cooling water immediately before it joins the water body. It includes the effects of all devices used to reduce the temperature.

Schedule B - Operation and Maintenance Expenses

Instructions

1. The operation and maintenance expenses in Section 1 should include such expenses for pumps, ponds, cooling towers, fans, cooling water intakes and outlets, piping, and other costs associated with cooling water operation. The operation and maintenance expenses for condenser operation should not be included. Costs should be in accordance with the FPC Uniform System of Accounts prescribed for Public Utilities and Licensees.

2. The cost of chemical additives should be excluded from the operation and maintenance expenses and shown separately as indicated.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART II - WATER QUALITY CONTROL DATA
(Applicable to Nuclear and Fossil Fueled Steam-Electric Plants)

COMPANY NAME	REPORT FOR YEAR ENDED DECEMBER 31, 19____
PLANT NAME	COMPANY - PLANT CODE

PLANT CAPACITY - MW	STATE	COUNTY	POST OFFICE AND ZIP CODE

SCHEDULE A - OPERATIONAL DATA

Section 1 - Average Annual Cooling Water Use of Plant - CFS

LINE NO.	(a)	(b)	CHECK FOR FOOTNOTE * (c)
01	AVERAGE RATE OF WITHORAWAL FROM WATER BODY DURING YEAR		
02	AVERAGE RATE OF OISCHARGE TO WATER BODY OURING YEAR		
03	AVERAGE RATE OF CONSUMPTION DURING YEAR		

Section 2 - Maximum Water Temperatures and Average Stream Flows During Months of Winter and Summer System Peak Power Loads

	WINTER PEAK LOAD MONTH ____ **			SUMMER PEAK LOAD MONTH ____ **			
LINE NO.	MAXIMUM TEMPERATURE °F AT DIVERSION (a)	MAXIMUM TEMPERATURE °F AT OUTFALL (b)	MONTHLY AVERAGE FLOW IN RECEIVING WATER BODY, CFS (c)	MAXIMUM TEMPERATURE °F AT DIVERSION (d)	MAXIMUM TEMPERATURE °F AT OUTFALL (e)	MONTHLY AVERAGE FLOW IN RECEIVING WATER BODY, CFS (f)	CHECK FOR FOOTNOTE * (g)
04							

Section 3 - Amount of Chemicals used During the Year

LINE NO.	(a)	PHOSPHATE LBS. (b)	CAUSTIC SODA LBS. (c)	HYORAZINE GALS. (d)	LIME LBS. (e)	ALUM. LBS. (f)	CHLORINE LBS. (g)	OTHER (h)	CHECK FOR FOOTNOTE * (i)
05	COOLING WATER								
06	BOILER WATER MAKEUP								

SCHEDULE B - OPERATION AND MAINTENANCE EXPENSES, $1,000

Section 1 - Cooling Water Operation at Plant

LINE NO.	(a)	(b)	CHECK FOR FOOTNOTE * (c)
07	ANNUAL OPERATION ANO MAINTENANCE EXPENSES		
08	ANNUAL COST OF CHEMICAL AODITIVES		

Section 2 - Boiler Water Makeup and Boiler Blowdown Treatment

LINE NO.	(a)	(b)	CHECK FOR FOOTNOTE * (c)
09	ANNUAL OPERATION AND MAINTENANCE EXPENSES		
10	ANNUAL COST OF CHEMICAL ADDITIVES		

* All footnotes should be shown on page 20.
** Specify month.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

PART II - WATER QUALITY CONTROL DATA

Instructions

Schedules C, D, E, and F

1. Report every five (5) years, or as specified in item (5) of General Instructions, page i.

2. If more than one sheet is required for any pages label them, for example, as page 16, sheet 1; page 16, sheet 2; respectively.

3. Assign the same unit designation to a specific unit throughout the entire Part II of the form.

4. All footnotes should be shown on page 20.

Schedule C - Water Use Authority and Limiting Criteria

1. Footnote and explain if equipment for monitoring cooling water temperatures is located at other than points of diversion and outfall.

2. If requested distances do not properly define mixing zone, footnote and describe in necessary detail.

Schedule D - Cooling Facilities

1. In Section 1, footnote and explain any seasonal use of cooling facilities.

2. Show by footnote in Section 3 if spray ponds are used.

3. The costs called for in Sections 2, 3, and 4 should be reported as the original costs reported on the utility's books of accounts and unitized as prescribed in the FPC List of Units of Property effective January 1, 1961. In case certain items are not specifically unitized in the referenced list of property units, the most accurate figure available is desired. The costs should include amounts for such items as pumps, piping, canals, ducts, intake and discharge structures, dams and dikes, reservoirs, cooling towers, and appurtenant equipment. The costs of condensers should not be included.

4. In Section 4, show the water cooling range as the number of degrees (F) the water is designed to be cooled in the cooling equipment.

Schedule E - Cooling Water Supply

1. The dependable flow requested is the seven-day average low flow discharge expected to occur not more frequently than once in 10 years.

2. In Section 2, include such other uses of cooling ponds as fishing, boating, camping, hiking, residential development, and industrial development.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART II - WATER QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19____

SCHEDULE C - WATER USE AUTHORITY AND LIMITING CRITERIA

LINE NO.	(a)	(b)	CHECK FOR FOOTNOTE * (c)
01	ISSUING AUTHORITIES OF LICENSES OR PERMITS: COUNTY, STATE, FEDERAL, OR OTHER. LIST AND DESCRIBE AUTHORITIES IN FOOTNOTE.		
02	FREQUENCY OF TEMPERATURE MONITORING OF COOLING WATER EFFLUENT: CONTINUOUSLY (C), HOURLY (H), DAILY (D), OR OTHER (O). FOOTNOTE AND EXPLAIN IF OTHER.		
03	DISTANCE MIXING ZONE EXTENDS DOWNSTREAM, FT.		
04	DISTANCE MIXING ZONE EXTENDS FROM SHORE, FT.		

LINE NO.	(a)	SUMMER (b)	WINTER (c)	CHECK FOR FOOTNOTE * (d)
05	MAXIMUM ALLOWABLE TEMPERATURE RISE OF COOLING WATER (°F) AT OUTFALL TO RECEIVING WATER BODY			
06	AT LIMITS OF DEFINED MIXING ZONE			
07	MAXIMUM ALLOWABLE TEMPERATURE OF COOLING WATER (°F) AT OUTFALL TO RECEIVING WATER BODY			
08	AT LIMITS OF DEFINED MIXING ZONE			

SCHEDULE D - COOLING FACILITIES

SECTION 1 - GENERAL DESIGN DATA

LINE NO.	(a)	(b)	(c)	(d)	(e)	CHECK FOR FOOTNOTE * (f)
09	GENERATING UNIT IDENTIFICATION NUMBER					
10	RATED GENERATING CAPACITY, MW					
11	TYPE COOLING: ONCE-THROUGH, FRESH (OTF): ONCE-THROUGH, SALINE (OTS): COOLING POND (CP): WET COOLING TOWER (WCT): DRY COOLING TOWER (DCT): COMBINATION (CB). FOOTNOTE AND EXPLAIN COMBINATIONS.					
12	YEAR COOLING FACILITIES INSTALLED					
13	DESIGNED TEMPERATURE RISE ACROSS THE CONDENSER, °F					
14	DESIGNED RATE OF FLOW THROUGH THE CONDENSER, CFS					

* ALL FOOTNOTES SHOULD BE SHOWN ON PAGE 20.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART II - WATER QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19____

SCHEDULE D - COOLING FACILITIES - Continued

LINE NO.	SECTION 2 - ONCE THROUGH COOLING (a)	(b)	(c)	(d)	(e)	CHECK FOR FOOTNDTE * (f)
15	DESIGNED RATE OF WITHDRAWL AT FULL LOAD, CFS					
16	INTAKE LOCATIONS: 1/ DIRECTION FROM CENTER OF PLANT, DEGREES					
17	DISTANCE FROM CENTER OF PLANT, FT.					
18	DISTANCE FROM SHORE, FT.					
19	AVERAGE DISTANCE BELOW WATER SURFACE, FT.					
20	OUTFALL LOCATIONS: 1/ DIRECTION FROM CENTER OF PLANT, DEGREES					
21	DISTANCE FRDM CENTER OF PLANT, FT.					
22	DISTANCE FROM SHORE, FT.					
23	AVERAGE DISTANCE BELOW WATER SURFACE, FT.					
24	ARE DIFFUSERS USED? FOOTNOTE AND DESCRIBE IF "YES."					
25	INSTALLED COSTS, $1,DDD **					

LINE NO.	SECTION 3 - COOLING PONDS (a)	(b)	(c)	(d)	(e)	CHECK FOR FOOTNOTE * (f)
26	TOTAL SURFACE AREA, ACRES					
27	TOTAL VOLUME, ACRE-FEET					
28	INSTALLED COSTS, $1,000 **					

LINE NO.	SECTION 4 - COOLING TOWERS (a)	(b)	(c)	(d)	(e)	CHECK FOR FOOTNOTE * (f)
29	TYPE DRAFT-MECHANICAL (M), NATURAL (N)					
30	LENGTH, IF APPLICABLE, FEET					
31	WIDTH OR DIAMETER AT BASE, FEET					
32	HEIGHT, FEET					
33	WATER COOLING RANGE, °F					
34	INSTALLED COSTS, $1,0DO **					

1/ ALTHOUGH NOT REQUIRED, A SKETCH SHOWING THE LAYOUT OF THE COOLING SYSTEM IS DESIRABLE.
* ALL FOOTNOTES SHOULD BE SHOWN ON PAGE 20.
** See instruction 3, Schedule D, page 15.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART II - WATER QUALITY CONTROL DATA

COMPANY NAME

PLANT NAME

COMPANY - PLANT CODE

REPORT FOR YEAR ENDED DECEMBER 31, 19____

SCHEDULE E - COOLING WATER SUPPLY

SECTION 1 - ONCE THROUGH COOLING

LINE NO.	SOURCE(S) OF WATER (a)	7-DAY, 10 YEAR DEPENDABLE FLOW CFS (b)	AVERAGE FLOW CFS (c)	GENERATING UNITS SERVED NO (d)	NO (e)	NO (f)	NO (g)	CHECK FOR FOOTNOTE * (h)
01								
02								
03								

FOOTNOTE AND EXPLAIN ANY DISCHARGE INTO A DIFFERENT BODY OF WATER, AND WHEN DISCHARGE IS OTHER THAN DOWNSTREAM FROM WATER INTAKE LOCATION.

SECTION 2 - COOLING PONDS

LINE NO.	SOURCE(S) OF WATER (a)	7-DAY, 10 YEAR DEPENDABLE FLOW CFS (b)	AVERAGE FLOW CFS (c)	GENERATING UNITS SERVED NO (d)	NO (e)	NO (f)	NO (g)	CHECK FOR FOOTNOTE * (h)
04								
05								
06								
07	PERIOD OF YEAR POND IS USED FOR COOLING							
08	OTHER USES OF POND							

SECTION 3 - COOLING TOWERS

LINE NO.	TOWER NO. (a)	SOURCE(S) OF MAKEUP WATER (b)	PERIOD OF YEAR USED FOR COOLING (c)	LOCATION OF BLOWDOWN DISCHARGE (d)	GENERATING UNITS SERVED NO (e)	NO (f)	NO (g)	NO (h)	CHECK FOR FOOTNOTE * (i)
09									
10									
11									
12									
13									

* ALL FOOTNOTES SHOULD BE SHOWN ON PAGE 20.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART II - WATER QUALITY CONTROL DATA

COMPANY NAME	
PLANT NAME	
COMPANY - PLANT CODE	REPORT FOR YEAR ENDED DECEMBER 31, 19_____

SCHEDULE F - WATER TREATMENT

SECTION 1 - SETTLING PONDS FOR BOILER WATER BLOWDOWN

LINE NO.	(a)	EVACUATION PROCEDURE AND FREQUENCY OF CLEANING: METHOD (b)	(TIMES PER YEAR) (c)	ESTIMATED: PH (d)	SUSPENDED SOLIDS PPM (e)	DISCHARGE VOLUME CU. FT. PER YR. (f)	NAME OF WATER BODY RECEIVING THE DISCHARGE (g)	CHECK FOR FOOTNOTE * (h)
01	FIRST POND							
02	SECOND POND							

SECTION 2 - SETTLING PONDS FOR BOTTOM ASH

LINE NO.	(a)	EVACUATION PROCEDURE AND FREQUENCY OF CLEANING: METHOD (b)	(TIMES PER YEAR) (c)	ESTIMATED: PH (d)	SUSPENDED SOLIDS PPM (e)	DISCHARGE VOLUME CU. FT. PER YR. (f)	NAME OF WATER BODY RECEIVING THE DISCHARGE (g)	CHECK FOR FOOTNOTE * (h)
03	FIRST POND							
04	SECOND POND							

LINE NO.	(a)	SOURCE OF SLUICING AND CLEANING WATER (b)	AMOUNT OF ASH TREATED TONS PER YEAR (c)	CHECK FOR FOOTNOTE * (d)
05	FIRST POND			
06	SECOND POND			

SECTION 3 - PROVISIONS FOR PLANT SEWAGE DISPOSAL

LINE NO.	(a)	CODE (b)	CHECK FOR FOOTNOTE * (c)
07	CODE FOR PUBLIC SEWER (PS), SEPTIC TANK (ST) SURFACE WATER BODY (SW), OR OTHER (OT). FOOTNOTE IF OTHER AND EXPLAIN.		

LINE NO.	EFFLUENT TREATMENT DESIGN: (a)	BOD PPM (b)	PH (c)	PHOSPHATES PMM (d)	OTHER (e)	CHECK FOR FOOTNOTE * (f)
08	BEFORE TREATMENT					
09	AFTER TREATMENT					
10	WATER BODY RECEIVING THE DISCHARGE					

* ALL FOOTNOTES SHOULD BE SHOWN ON PAGE 20.

STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA
PART II - WATER QUALITY CONTROL DATA

COMPANY NAME

PLANT NAME

COMPANY - PLANT CODE

REPORT FOR YEAR ENDED
DECEMBER 31, 19 _____

FOOTNOTES

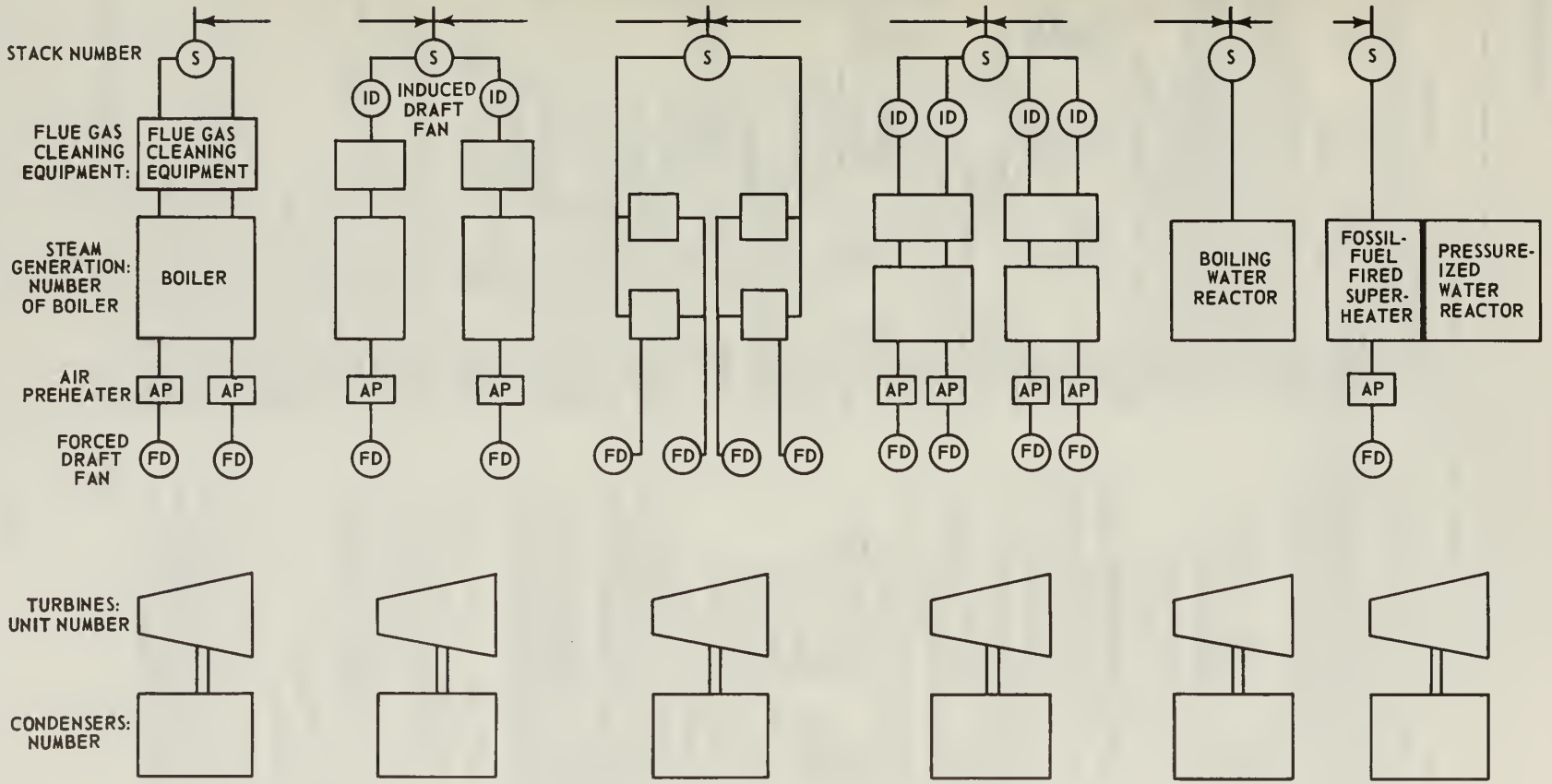
FOOTNOTE FOR:			FOOTNOTE	
PAGE	SHEET	LINE	CODE *	TEXT

* Code in order - Schedule, Section, Line, and Column.

FPC Form 67
Rev (6-70)

SPECIMEN STATION ONE-LINE DIAGRAM

(Plant Code) STATION DATA



(ENGINEER'S SIGNATURE)

ENGINEER'S SEAL

Note:
Number all stacks, boilers, generators, and condensers with the same identification numbers used throughout the form.

COMPANY NAME		
PLANT NAME		
REVISION NO.	DATE	DRAWING NO.

DEFINITION OF BITUMINOUS COAL AND LIGNITE PRODUCING DISTRICTS

DISTRICT 1.—EASTERN PENNSYLVANIA

Pennsylvania

Armstrong County (part).—All mines east of the Allegheny River, and those mines served by the Pittshurgb & Sbawmut Railroad located on the west bank of the river.

Fayette County (part).--All mines located on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad.

Indiana County (part).—All mines not served by the Saltsburg branch of the Pennsylvania Railroad.

Westmoreland County (part).—All mines served by the Pennsylvania Railroad from Torrance, east.

All mines in the following counties:

Bedford	Centre	Forest	McKean
Blair	Clarion	Fulton	Mifflin
Bradford	Clearfield	Huntingdon	Potter
Cambria	Clinton	Jefferson	Somerset
Cameron	Elk	Lycoming	Tioga

Maryland.—All mines in the State.

West Virginia.—All mines in the following counties:

Grant Mineral Tucker

DISTRICT 2.—WESTERN PENNSYLVANIA

Pennsylvania

Armstrong County (part).—All mines west of the Allegheny River except those mines served by the Pittsburgh & Shawmut Railroad.

Fayette County (part).—All mines except those on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad.

Indiana County (part).—All mines served by the Saltshurg branch of the Pennsylvania Railroad.

Westmoreland County (part).—All mines except those served by the Pennsylvania Railroad from Torrance, east.

All mines in the followirg counties:

Allegheny	Butler	Lawrence	Venango
Beaver	Greenc	Mercer	Washington

DISTRICT 3.—NORTHERN WEST VIRGINIA

West Virginia

Nicholas County (part).—All mines served by or north of the Baltimore & Ohio Railroad.

All mines in the following counties:

Barbour	Jackson	Randolph	Webster
Braxton	Lewis	Ritchie	Wetzel
Calhoun	Marion	Roane	Wirt
Doddridge	Monongalia	Taylor	Wood
Gilmer	Pleasants	Tyler	
Harrison	Preston	Upshur	

DISTRICT 4.—OHIO.—All mines in the State.

DISTRICT 5.—MICHIGAN.—All mines in the State.

DISTRICT 6.—PANHANDLE

West Virginia.—All mines in the following counties:

Brooke Hancock Marshall Ohio

DISTRICT 7.—SOUTHERN NO. 1

West Virginia

Fayette County (part).—All mines east of Gauley River and all mines served hy the Gauley River branch of the Chesapeake & Ohio Railroad and mines served by the Virginian Railway.

McDowell County (part).—All mines in that portion of the county served by the Dry Fork Branch of the Norfolk & Western Railroad and east thereof.

Raleigh County (part).—All mines except those on the Coal River Branch of the Chesapeake & Ohio Railroad and north thereof.

Wyoming County (part).—All mines in that portion served by the Gilbert branch of the Virginian Railway lying east of the mouth of Skin Fork of Guyandot River and in that portion served by the main line and the Glen Rogers branch of the Virginian Railway.

All mines in the following counties:

Greenbrier Mercer Monroe Pocahontas Summers

Virginia

Buchanan County (part).—All mines in that portion of the county served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad and in that portion on the headwaters of Dismal Creek east of Lynn Camp Creek (a tributary of Dismal Creek).

Tazewell County (part).—All mines in those portions of the county served hy the Dry Fork branch to Cedar Bluff and from Bluestone Junction to Boissevain branch of the Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

All mines in the following counties:

Montgomery Pulaski Wythe Giles Craig

DISTRICT 8.—SOUTHERN NO. 2

West Virginia

Fayette County (part).—All mines west of the Gauley River except mines served by the Gauley River branch of the Chesapeake & Ohio Railroad.

McDowell County (part).—All mines west of and not served hy the Dry Fork branch of the Norfolk & Western Railroad.

Nicholas County (part).—All mines in that part of the county south of and not served hy the Baltimore & Ohio Railroad.

Raleigh County (part).—All mines on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof.

DISTRICT 8.—SOUTHERN NO. 2—Continued

West Virginia—Continued

Wyoming County (part).—All mines in that portion served hy the Gilbert branch of the Virginian Railway and lying west of the mouth of Skin Fork of Guyandot River.

All mines in the following counties:

Boone	Kanawha	Mason	Wayne
Cabell	Lincoln	Mingo	
Clay	Logan	Putnam	

Virginia

Buchanan County (part).—All mines in the county, except in that portion on the headwaters of Dismal Creek, east of Lynn Camp Creek (a tributary of Dismal Creek) and in that portion served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

Tazewell County (part).—All mines in the county except in those portions served by the Dry Fork branch of the Norfolk & Western Railroad and branch from Bluestone Junction to Boissevain of Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

All mines in the following counties:

Dickinson Lee Russell Scott Wise

Kentucky.—All mines in the the following counties in eastern Kentucky:

Bell	Greenup	Lawrence	Morgan
Boyd	Harlan	Lee	Owsley
Breathitt	Jackson'	Leslie	Perry
Carter	Johnson	Letcher	Pike
Clay	Knott	McCreary	Rockcastle
Elliott	Knox	Magoffin	Wayne
Floyd	Laurel	Martin	Whitley

Tennessee.—All mines in the following counties:

Anderson	Cumberland	Overton
Campbell	Fentress	Roane
Claiborne	Morgan	Scott

North Carolina.—All mines in the State.

DISTRICT 9.—WEST KENTUCKY

Kentucky.—All mines in the following counties in western Kentucky:

Butler	Hancock	McLean	Todd
Christian	Henderson	Muhlenberg	Union
Crittenden	Hopkins	Ohio	Warren
Daviess	Logan	Simpson	Webster

DISTRICT 10.—ILLINOIS.—All mines in the State.

DISTRICT 11.—INDIANA.—All mines in the State.

DISTRICT 12.—IOWA.—All mines in the State.

DISTRICT 13.—SOUTHEASTERN

Alabama.—All mines in the State.

Georgia.—All mines in the following counties:

Dade Walker

Tennessee.—All mines in the following counties:

Bledsoe	Marion	Sequatchie	Warren
Grundy	McMinn	Van Buren	White
Hamilton	Rhea		

DISTRICT 14.—ARKANSAS OKLAHOMA

Arkansas.—All mines in the State.

Oklahoma.—All mines in the following counties:

Haskell Le Flore Sequoyah

DISTRICT 15.—SOUTHWESTERN

Kansas.—All mines in the State.

Texas.—All mines in the State.

Missouri.—All mines in the State.

Oklahoma.—All mines in the following counties:

Coal	Latimer	Okmulgee	Rogers	Wagoner
Craig	Muskogee	Pittsburg	Tulsa	

DISTRICT 16.—NORTHERN COLORADO

All mines in the following counties in the State:

Adams	Douglas	Jackson	Larimer
Arapahoe	Elbert	Jefferson	Weld
Boulder	El Paso		

DISTRICT 17.—SOUTHERN COLORADO

Colorado.—All mines except those included in District 16.

New Mexico.—All mines except those included in District 18.

DISTRICT 18.—NEW MEXICO

New Mexico.—All mines in the following counties:

Grant	McKinley	Sandoval	San Miguel	Socorro
Lincoln	Rio Arriba	San Juan	Santa Fe	

Arizona.—All mines in the State.

California.—All mines in the State.

DISTRICT 19.—WYOMING

Wyoming.—All mines in the State.

Idaho.—All mines in the State

DISTRICT 20.—UTAH.—All mines in the State.

DISTRICT 21.—NORTH DAKOTA-SOUTH DAKOTA.—All mines in North Dakota and South Dakota.

DISTRICT 22.—MONTANA.—All mines in the State.

DISTRICT 23.—WASHINGTON

Washington.—All mines in the State.

Oregon.—All mines in the State.

Alaska.—All mines in the Territory.

NATIONAL AIR QUALITY CONTROL REGIONS
(as of August 31, 1970)

Washington, D. C.
New York City
Chicago
Philadelphia
Denver
Los Angeles
St. Louis
Boston
Cincinnati
San Francisco
Cleveland
Pittsburgh
Buffalo
Kansas City
Detroit
Baltimore
Hartford - Springfield
Indianapolis
Minneapolis - St. Paul
Milwaukee
Providence
Seattle - Tacoma
Louisville
Dayton
Phoenix
Houston
Dallas - Ft. Worth
San Antonio
Birmingham
Toledo
Steubenville
Chattanooga
Charlotte
Atlanta
Memphis
Portland
Beaumont - Port Arthur New Orleans
Miami
Oklahoma City
Omaha
Honolulu
Salt Lake City
Anchorage
Burlington
San Juan
Virgin Islands
Mobile - Gulfport - Pensacola
Youngstown - Erie
Rockford - Janesville
South Bend - Benton'Harbor
Menominee - Escanaba - Marinette
Cumberland - Keyser

APPENDIX 2

ALPHABETICAL INDEX OF PLANTS

ASHEVILLE	CAROLINA POWER & LIGHT CO.	37
ASHLEY	UNION ELECTRIC CO.	149
ASTORIA	CONSOLIDATED EDISON CO. OF NY	52
ATKINSON	GEORGIA POWER CO.	67
AURORA	MINNESOTA POWER & LIGHT CO.	90
AVON	PACIFIC GAS & ELECTRIC CO.	107
AVON LAKE	CLEVELAND ELEC. ILLUM. CO.	46
AVON PARK	FLORIDA POWER CORP.	63
BAILLY	NO. INDIANA PUBLIC SERVICE CO.	99
BAILEY, CARL	ARKANSAS ELECTRIC COOP CORP.	32
BARBADOES	PHILADELPHIA ELECTRIC CO.	113
BARRET	LONG ISLAND LIGHTING CO.	85
BARRY	ALBAMA POWER CO.	29
BARTOW	FLORIDA POWER CORP.	64
BATES	CENTRAL P&L CO.	41
BAYBORO	FLORIDA POWER CORP.	63
BAY SHORE	TOLEDO EDISON CO.	148
BECKJORD	CINCINNATI GAS & ELECTRIC CO.	142
BENNING	POTOMAC ELECTRIC POWER CO.	116
BELLE ISLE	OKLAHOMA GAS & ELECTRIC CO.	105
BERGEN	PUBLIC SERVICE ELEC. & GAS CO.	119
BERTRON	HOUSTON LIGHTING & POWER CO.	73
BIG ROCK POINT	CONSUMERS POWER CO.	54
BIG SANDY	KENTUCKY POWER CO.	83
BIG SIOUX	IOWA PUBLIC SERVICE CO.	79
BIRD	MONTANA POWER CO.	146
BIRDSALL	COLO SPRINGS P&L DEPT.	47
BLACK DOG	NORTHERN STATES POWER CO. (MINN.)	100
BLACKHAWK	WISCONSIN POWER & LIGHT CO.	158
BLOUNT STREET	MADISON GAS & ELECTRIC CO.	89
BLUE VALLEY	CITY P & L DEPT. INDEPENDENCE MO.	44
BLUFFS	NEBRASKA PUB PWR DISTRICT	55
BONIN	CITY OF LAFAYETTE UTIL. SYSTEM	44
BOONE	IOWA ELECTRIC LIGHT & POWER CO.	77
BOSWELL	MINNESOTA POWER & LIGHT CO.	91
BRAUNIG	CITY P. S. BD. SAN ANTONIO	45
BRAYTON	NEW ENGLAND POWER CO.	96
BREED	INDIANA & MICHIGAN ELEC. CO.	75
BREMO BLUFF	VIRGINIA ELECTRIC & POWER CO.	152
BRIDGEPORT	IOWA SO. UTIL. CO.	80
BRIDGEPORT HARBOR	UNITED ILLUMINATING CO.	148
BROADWAY	PASADENA LIGHT & POWER DEPT.	110

BROWN, E. W.	KENTUCKY UTILITIES CO.	84
BROWN, REX	MISSISSIPPI POWER & LIGHT CO.	92
BRUNNER ISLAND	PENNSYLVANIA POWER & LIGHT CO.	112
BUCK	DUKE POWER CO.	59
BULL RUN	TENNESSEE VALLEY AUTHORITY	136
BURBANK	BURBANK PUBLIC SERVICE DEPT.	37
BURGER	OHIO EDISON CO.	103
BURLINGTON	IOWA SO. UTIL. CO.	80
BURLINGTON	PUBLIC SERVICE ELEC. & GAS CO.	119
BUZZARD POINT	POTOMAC ELECTRIC POWER CO.	116

CABIN CREEK	APPALACHIAN POWER CO.	30
CAHOKIA	UNION ELECTRIC CO.	149
CALUMET	COMMONWEALTH EDISON CO.	48
CAMEO	PUBLIC SERVICE CO. OF COLORADO	121
CAMPBELL	CONSUMERS POWER CO.	55
CANADYS	SOUTH CAROLINA ELEC. & GAS CO.	127
CANAL	CANAL ELECTRIC CO.	141
CANAL	LOUISVILLE GAS & ELECTRIC CO.	88
CANE RUN	LOUISVILLE GAS & ELECTRIC CO.	88
CANNON	NEW BEDFORD GAS & EDISON LIGHT CO.	95
CAPE FEAR	CAROLINA POWER & LIGHT CO.	38
CAPE KENNEDY	FLORIDA POWER & LIGHT CO.	64
CARBON	UTAH POWER & LIGHT CO.	151
CARDINAL	CARDINAL OPERATING CO.	37
CARLSBAD	SOUTHWEST PUBLIC SERVICE CO.	131
CHALK	POTOMAC ELECTRIC POWER CO.	116
CHEROKEE	PUBLIC SERVICE CO. OF COLORADO	121
CHESTER	PHILADELPHIA ELECTRIC CO.	114
CHESTERFIELD	VIRGINIA ELECTRIC & POWER CO.	152
CHICKASAW	ALABAMA POWER CO.	29
CHOLLA	ARIZONA PUBLIC SERVICE CO.	31
CHOUTEAU	GRAND RIVER DAM AUTHORITY	68
CIMMARON RIVER	CENTRAL TELE & UTIL. CORP.	43
CLARK	CENTRAL TELE & UTIL CORP	43
CLARK	NEVADA POWER CO.	95
CLARKE	HOUSTON LIGHTING & POWER CO.	73
CLEARY	TAUNTON MUNICIPAL LIGHTING PLT.	135
CLIFFSIDE	DUKE POWER CO.	59
CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP.	76
CLINCH RIVER	APPALACHIAN POWER CO.	30
COBB	CONSUMERS POWER CO.	54
COFFEEN	CENTRAL ILLINOIS P. S. CO.	39

COLBERT "A"	TENNESSEE VALLEY AUTHORITY	136
COLBERT "B"	TENNESSEE VALLEY AUTHORITY	136
COLEMAN	BIG RIVERS RURAL ELECTRIC COOP.	35
COLFAX	DUQUESNE LIGHT CO.	60
COLLIN	TEXAS POWER & LIGHT CO.	140
COMAL	LOWER COLORADO RIVER AUTH.	88
COMMERCE	WISCONSIN ELEC. POWER CO.	157
CONCHO	WEST TEXAS UTILITIES CO.	155
CONESVILLE	COLUMBUS & S OHIO ELECTRIC CO.	47
CONNERS CREEK	DETROIT EDISON CO.	143
COOL WATER	SOUTHERN CALIFORNIA EDISON CO.	128
COOPER	EAST KENTUCKY RURAL ELEC. COOP.	61
CONTRA COSTA	PACIFIC GAS & ELECTRIC CO.	107
CORETTE	MONTANA POWER CO.	147
COUCH	ARKANSAS POWER & LIGHT CO.	32
COUGHLIN	CENTRAL LOUISIANA ELECTRIC CO.	40
COUNCIL BLUFFS	IOWA POWER & LIGHT CO.	79
CRAWFORD	METRO EDISON CO.	90
CRAWFORD	COMMONWEALTH EDISON CO.	49
CRANE	BALTIMORE GAS & ELECTRIC CO.	34
CRIST	GULF POWER CO.	69
CROMBY	PHILADELPHIA ELECTRIC CO.	114
CROSSCUT	SALT R. PROJ. AG. IMP. & PWR. DIST.	124
CRYSTAL RIVER	FLORIDA POWER CORP.	63
CULLEY	SOUTHERN INDIANA G. E. CO.	130
CUMBERLAND	POTOMAC EDISON CO.	147
CUNNINGHAM	SOUTHWEST PUBLIC SERVICE CO.	131
CUTLER	FLORIDA POWER & LIGHT CO.	64
DALE	EAST KENTUCKY RURAL ELEC. COOP.	61
DALLAS	DALLAS POWER & LIGHT CO.	56
DALLMAN	SPRINGFIELD WATER LIGHT & PWR. DEPT.	134
DAN RIVER	DUKE POWER CO.	59
DANSKAMMER	CENTRAL HUDSON GAS & ELECTRIC CO.	39
DEEPWATER	ATLANTIC CITY ELECTRIC CO.	57
DEEPWATER	HOUSTON LIGHTING & POWER CO.	72
DELAWARE	PHILADELPHIA ELECTRIC CO.	114
DELAWARE CITY	DELMARVA POWER & LIGHT CO.	58
DELRAY	DETROIT EDISON CO.	143
DELTA	MISSISSIPPI POWER & LIGHT CO.	92
DEMOSS PETRIE	TUCSON GAS & ELECTRIC CO.	148
DENTON	DENTON, CITY OF	58
DENVER CITY	SOUTHWEST PUBLIC SERVICE CO.	131
DES MOINES NO. 2	IOWA POWER & LIGHT CO.	80
DEVON	CONNECTICUT LIGHT & POWER CO.	142
DEWEY	WISCONSIN POWER & LIGHT CO.	159

DICKERSON	POTOMAC ELECTRIC POWER CO.	116
DIXON	COMMONWEALTH EDISON CO.	49
DRAKE	COLO. SPRINGS P&L DEPT.	46
DRESDEN	COMMONWEALTH EDISON CO.	49
DRESSER	PUBLIC SERVICE CO. OF INDIANA INC.	118
DUBUQUE	INTERSTATE POWER CO.	77
DUNKIRK	NIAGARA-MOHAWK POWER CORP.	99
EAGLE MOUNTAIN	TEXAS ELECTRIC SERVICE CO.	138
EAST	SOUTHWEST PUBLIC SERVICE CO.	131
EAST LAKE	CLEVELAND ELEC. ILLUM. CO.	46
EAST RIVER	CONSOLIDATED EDISON CO. OF NY	52
EATON	MISSISSIPPI POWER CO.	91
ECKERT	LANSING BOARD OF W.E.L. COMM.	85
EDDYSTONE	PHILADELPHIA ELECTRIC CO.	114
EDGAR	BOSTON EDISON CO.	36
EDGE MOOR	DELMARVA POWER & LIGHT CO.	58
EDGEWATER	OHIO EDISON CO.	102
EDGEWATER	WISCONSIN POWER & LIGHT CO.	158
EDMOND	ST. JOSEPH LIGHT & POWER CO.	134
EDWARDS	CENTRAL ILLINOIS LIGHT CO.	40
EDWARDSPORT	PUBLIC SERVICE CO. OF INDIANA INC.	118
EL CENTRO	IMPERIAL IRRIGATION DISTRICT	75
ELM STREET	CONSUMERS POWER CO.	54
ELRAMA	DUQUESNE LIGHT CO.	60
EL SEGUNDO	SOUTHERN CALIFORNIA EDISON CO.	128
ENCINA	SAN DIEGO GAS & ELECTRIC CO.	125
ENGLAND	ATLANTIC CITY ELECTRIC CO.	33
ENGLISH	UNITED ILLUMINATING CO.	149
ESSEX	PUBLIC SERVICE ELEC. & GAS CO.	119
ETIWANDA	SOUTHERN CALIFORNIA EDISON CO.	129
EUGENE	EUGENE WATER & ELECTRIC BD.	62
EVANS	KANSAS GAS & ELECTRIC CO.	83
EYLER	METRO EDISON CO.	90
FAR ROCKAWAY	LONG ISLAND LIGHTING CO.	85
FERMI	DETROIT EDISON CO.	143
FIFTY-NINTH ST.	CONSOLIDATED EDISON CO. OF NY	51
FISK	COMMONWEALTH EDISON CO.	48
FITZHUGH	ARKANSAS ELECTRIC COOP CORP.	32
FORDHAM	COMMONWEALTH EDISON CO.	49
FORT CHURCHILL	SIERRA PACIFIC POWER CO.	126
FORT MARTIN	MONOGAHELA PWR. CO.	93
FORT MYERS	FLORIDA POWER & LIGHT CO.	65
FOUR CORNERS	ARIZONA PUBLIC SERVICE CO.	31
FOX LAKE	INTERSTATE POWER CO.	77

FRENCH ISLAND	NORTHERN STATES POWER CO. (MINN.)	101
FRONT STREET	PENNSYLVANIA ELECTRIC CO.	111
GABLE STREET	HOUSTON LIGHTING & POWER CO.	72
GADSBY	UTAH POWER & LIGHT CO.	151
GADSDEN	ALABAMA POWER CO.	29
GALLAGHER	PUBLIC SERVICE CO. OF INDIANA	118
GALLATIN	TENNESSEE VALLEY AUTHORITY	137
GANNON	TAMPA ELECTRIC CO.	135
GARDNER	NEVADA POWER CO.	96
GASTON	SOUTHERN ELECTRIC GENERATING CO.	130
GENOA NO. 3	DAIRYLAND POWER COOPERATIVE	56
GEYSERS	PACIFIC GAS & ELECTRIC CO.	109
GIDEON	LOWER COLORADO RIVER AUTH.	88
GILBERT	NEW JERSEY POWER & LIGHT CO.	96
GILL	KANSAS GAS & ELECTRIC CO.	83
GLENARM	PASADENA LIGHT & POWER DEPT.	110
GLENDALE	GLENDALE PUBLIC SERVICE DEPT.	68
GLEN LYN	APPALACHIAN POWER CO.	30
GLENWOOD	LONG ISLAND LIGHTING CO.	86
GORGAS	ALABAMA POWER CO.	29
GORGE	OHIO EDISON CO.	102
GOUDEY	NEW YORK STATE ELEC. & GAS CORP.	97
GOULD STREET	BALTIMORE GAS & ELECTRIC CO.	34
GRAHAM	TEXAS ELECTRIC SERVICE CO.	139
GRAINGER	SOUTH CAROLINA PUBLIC SERVICE AUTH.	128
GRAND AVENUE	KANSAS CITY POWER & LIGHT CO.	81
GRAND TOWER	CENTRAL ILLINOIS P.S. CO.	39
GREEN	MISSOURI PUBLIC SERVICE CO.	93
GREENE COUNTY	ALABAMA POWER CO.	29
GREENIDGE	NEW YORK STATE ELEC. & GAS CORP.	97
GREEN RIVER	KENTUCKY UTILITIES CO.	84
GREENS BAYOU	HOUSTON LIGHTING & POWER CO.	73
HADDAM	CONN. YANKEE ATOMIC PWR. CO.	51
HAGOOD	SOUTH CAROLINA ELEC. & GAS CO.	127
HALE	UTAH POWER & LIGHT CO.	151
HAMILTON	HAMILTON MUNC. ELECTRIC PLT.	71
HAMMOND	GEORGIA POWER CO.	67
HANDLEY	TEXAS ELECTRIC SERVICE CO.	139
HANFORD	WASHINGTON PUBLIC PWR. SUPPLY SYSTEM	154
HARBOR	LOS ANGELES DEPT. OF WATER & POWER	86
HARBOR BEACH	DETROIT EDISON CO.	144
HARLLEE BRANCH	GEORGIA POWER CO.	67

HAVANA	ILLINOIS POWER CO.	74
HAWTHORN	KANSAS CITY POWER & LIGHT CO.	81
HAYDEN	COLORADO-UTE ELEC. ASSN.	47
HAYNES	LOS ANGELES DEPT. OF WATER & POWER	86
HELL GATE	CONSOLIDATED EDISON CO. OF NY	52
HENNEPIN	ILLINOIS POWER CO.	74
HESKETT	MONTANA-DAKOTA UTIL. CO.	94
HIBBARD	MINNESOTA POWER & LIGHT CO.	91
HICKLING	NEW YORK STATE ELEC. & GAS CORP.	98
HIGGINS	FLORIDA POWER CORP.	63
HIGH BRIDGE	NORTHERN STATES POWER CO. (MINN.)	100
HIGHGROVE	SOUTHERN CALIFORNIA EDISON CO.	129
HILL	ASSOCIATED ELEC. COOP. INC.	33
HILL, LON	CENTRAL P&L CO.	42
HOLLY AVENUE	LUBBOCK, CITY OF	89
HOLLY STREET	CITY OF AUSTIN ELEC. DEPT.	44
HOLTWOOD	PENNSYLVANIA POWER & LIGHT CO.	112
HOLYOKE	HOLYOKE GAS & ELECTRIC DEPT.	72
HOMER CITY	PENNSYLVANIA ELECTRIC CO.	111
HONOLULU	HAWAIIAN ELECTRIC CO. INC.	71
HOOKERS POINT	TAMPA ELECTRIC CO.	135
HOOT LAKE	OTTER TAIL POWER CO.	107
HORSESHOE LAKE	OKLAHOMA GAS & ELECTRIC CO.	105
HUDSON	PUBLIC SERVICE ELEC. & GAS CO.	120
HUDSON AVENUE	CONSOLIDATED EDISON CO. OF NY	52
HUMBOLDT BAY	PACIFIC GAS & ELECTRIC CO.	108
HUNTERS POINT	PACIFIC GAS & ELECTRIC CO.	108
HUNTINGTON BEACH	SOUTHERN CALIFORNIA EDISON CO.	129
HUNTLEY	NIAGARA-MOHAWK POWER CORP.	99
HUTCHINGS	DAYTON POWER & LIGHT CO.	143
HUTCHINSON	KANSAS POWER & LIGHT CO.	146
HUTSONVILLE	CENTRAL ILLINOIS P.S. CO.	39
INDIAN POINT	CONSOLIDATED EDISON CO. OF NY	53
INDIAN RIVER	DELMARVA POWER & LIGHT CO.	58
INDIAN RIVER	ORLANDO UTILITIES COMM.	106
INGLIS	FLORIDA POWER CORP.	64
IRVINGTON	TUCSON GAS & ELECTRIC CO.	148
JAMES RIVER	CITY UTIL. OF SPRINGFIELD	45
JEFFERIES	SOUTH CAROLINA PUBLIC SERVICE AUTH.	128
JENNISON	NEW YORK STATE ELEC. & GAS CORP.	98
JOHNSTON	PACIFIC POWER & LIGHT CO.	110
JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	137

JOILET	COMMONWEALTH EDISON CO.	49
JONES STREET	OMAHA PUBLIC POWER DIST.	106
JOPPA	ELECTRIC ENERGY INC.	62
JORDAN	UTAH POWER & LIGHT CO.	152
KAHE	HAWAIIAN ELECTRIC CO. INC.	71
KAHULUI	HAWAIIAN ELECTRIC CO. INC.	71
KAMMER	OHIO POWER CO.	103
KANAWHA RIVER	APPALACHIAN POWER CO.	30
KAPP	INTERSTATE POWER CO.	77
KARN	CONSUMERS POWER CO.	54
KAW	KANSAS CITY BOARD OF PUBLIC UTILS.	82
KEARNEY "A"	PUBLIC SERVICE ELEC. & GAS CO.	120
KEARNEY "B"	PUBLIC SERVICE ELEC. & GAS CO.	120
KENDALL SQUARE	CAMBIRDGE ELEC. LIGHT CO.	37
KENNEDY	JACKSONVILLE ELEC. LIGHT PLT.	80
KENT AVENUE	CONSOLIDATED EDISON CO. OF NY	53
KERN	PACIFIC GAS & ELECTRIC CO.	108
KEYSTONE	CENTRAL ILLINOIS LIGHT CO.	40
KEYSTONE	PENNSYLVANIA ELECTRIC CO.	111
KING	NORTHERN STATES POWER CO. (MINN.)	100
KINGSTON	TENNESSEE VALLEY AUTHORITY	137
KINCAID	COMMONWEALTH EDISON CO.	50
KNOX LEE	SOUTHWESTERN ELEC. POWER CO.	133
KRAMER	NEBRASKA PUBLIC POWER SYS.	95
KYGER CREEK	OHIO VALLEY ELECTRIC COOP.	104
KYRENE	SALT R. PROJ. AG. IMP. & PWR. DIST.	125
"L" STREET	BOSTON EDISON CO.	36
LAKE CATHERINE	ARKANSAS POWER & LIGHT CO.	33
LAKE CREEK	TEXAS POWER & LIGHT CO.	140
LAKE HIGHLAND	ORLANDO UTILITIES COMM.	106
LAKE PARKER	LAKELAND LIGHT & WATER DEPT.	85
LAKE PAULINE	WEST TEXAS UTILITIES	155
LAKE SHORE	CLEVELAND ELEC. ILLUM. CO.	46
LAKE UNION	SEATTLE DEPT. OF LIGHTING	126
LAKE WORTH	LAKE WORTH LIGHT & WATER DEPT.	84
LAKEROAD	ST. JOSEPH LIGHT & POWER CO.	134
LAKESIDE	WISCONSIN ELEC. POWER CO.	157
LAKESIDE	SPRINGFIELD WATER LIGHT & PWR. DEPT.	134
LANSING	INTERSTATE POWER CO.	77
LA PALMA	CENTRAL P&L CO.	42
LAREDO	CENTRAL P&L CO.	42
LARGE	CENTRAL TELE & UTIL. CORP.	43
LAUDERDALE	FLORIDA POWER & LIGHT CO.	65

LAWRENCE	KANSAS POWER & LIGHT CO.	146
LAWRENCE	NORTHERN STATES POWER CO. (MINN.)	100
LAWTON	PUBLIC SERVICE CO. OF OKLAHOMA	122
LEE, H.F.	CAROLINA POWER & LIGHT CO.	38
LEE, W.S.	DUKE POWER CO.	59
LELAND OLDS	BASIN ELECTRIC POWER COOP.	35
LEON CREEK	CITY P.S. BD. SAN ANTONIO	45
LEWIS AND CLARK	MONTANA-DAKOTA UTIL. CO.	94
LIEBERMAN	SOUTHWESTERN ELEC. POWER CO.	133
LINCOLN	NEBRASKA PUBLIC POWER SYS.	95
LINCOLN	PACIFIC POWER & LIGHT CO.	110
LINDEN	PUBLIC SERVICE ELEC. & GAS CO.	120
LITTLE GYPSY	LOUISIANA POWER & LIGHT CO.	87
LONE STAR	SOUTHWESTERN ELEC. POWER CO.	133
LONG BEACH	SOUTHERN CALIFORNIA EDISON CO.	129
LONGVIEW	COWLITZ CO. PUBLIC UTIL. DIST.	117
LOUISIANA NO. 1	GULF STATES UTILITIES CO.	69
LOUISIANA NO. 2	GULF STATES UTILITIES CO.	70
LOVETT	ORANGE & ROCKLAND UTIL. INC.	106
LYNNWAY	MASSACHUSETTS ELECTRIC CO.	89
LYNCH	ARKANSAS POWER & LIGHT CO.	32
MAD RIVER	OHIO EDISON CO.	102
MANCHESTER STREET	NARRAGANSETT ELECTRIC CO.	147
MANDALAY BEACH	SOUTHERN CALIFORNIA EDISON CO.	129
MARION	PUBLIC SERVICE ELEC. & GAS CO.	120
MARKET STREET	NEW ORLEANS PUBLIC SERVICE INC.	97
MARSHALL	DUKE POWER CO.	60
MARTINEZ	PACIFIC GAS & ELECTRIC CO.	108
MARTINS CREEK	PENNSYLVANIA POWER & LIGHT CO.	113
MARYSVILLE	DETROIT EDISON CO.	144
MASON	CENTRAL MAINE PWR. CO.	41
MAYNARD STREET	IOWA PUBLIC SERVICE CO.	79
McDONOUGH	GEORGIA POWER CO.	67
McMANUS	GEORGIA POWER CO.	68
McMEEKIN	SOUTH CAROLINA ELEC. & GAS CO.	127
MERAMEC	UNION ELECTRIC CO.	149
MERCER	PUBLIC SERVICE ELEC. & GAS CO.	121
MEREDOSIA	CENTRAL ILLINOIS P.S. CO.	40
MERRIMACK	PUBLIC SERVICE CO. OF NEW HAMPSHIRE	119
MIAMI	FLORIDA POWER & LIGHT CO.	65
MIAMI FORT	CINCINNATI GAS & ELEC. CO.	141
MICHIGAN CITY	NO. INDIANA PUBLIC SERVICE CO.	99
MICHOUD	NEW ORLEANS PUBLIC SERVICE INC.	97
MIDDLETOWN	HARTFORD ELEC. LIGHT CO.	145
MILESBURG	WEST PENNSYLVANIA PWR. CO.	154
MILLER	BRAZOS ELECTRIC POWER COOP. INC.	37

MILLIKEN	NEW YORK STATE ELEC. & GAS CORP.	98
MINNESOTA VALLEY	NORTHERN STATES POWER CO. (MINN.)	100
MISSION ROAD	CITY P. S. BD. SAN ANTONIO	45
MISSOURI AVENUE	ATLANTIC CITY ELECTRIC CO.	33
MISSOURI CITY	N. W. ELEC. POWER COOP. INC.	95
MISTERSKY	DETROIT PUBLIC LIGHTING COMM.	58
MITCHELL	GEORGIA POWER CO.	68
MITCHELL	WEST PENNSYLVANIA POWER CO.	154
MITCHELL	NO. INDIANA PUBLIC SERVICE CO.	99
MOLINE	IOWA-ILLINOIS GAS & ELECTRIC CO.	78
MONROE	MONROE, CITY OF	94
MONTROSE	KANSAS CITY POWER & LIGHT CO.	82
MONTVILLE	CONNECTICUT LIGHT & POWER CO.	142
MOORE	SOUTHWEST PUBLIC SERVICE CO.	132
MOORELAND	WESTERN FARMERS ELEC. COOP.	156
MORAN	BURLINGTON ELEC. LIGHT DEPT.	69
MORGAN CREEK	TEXAS ELECTRIC SERVICE CO.	139
MORRO BAY	PACIFIC GAS & ELECTRIC CO.	108
MORROW	CONSUMERS POWER CO.	54
MOSES	ARKANSAS POWER & LIGHT CO.	32
MOSS LANDING	PACIFIC GAS & ELECTRIC CO.	109
MOUND	UNION ELECTRIC CO.	150
MOUNTAIN CREEK	DALLAS POWER & LIGHT CO.	57
MOUNT TOM	HOLYOKE WATER POWER CO.	72
MOUNT STORM	VIRGINIA ELECTRIC & POWER CO.	152
MULLERGREN	CENTRAL TELE & UTIL. CORP.	43
MUSKINGUM	OHIO POWER CO.	103
MUSTANG	OKLAHOMA GAS & ELECTRIC CO.	105
MYSTIC	BOSTON EDISON CO.	36
NATCHEZ	MISSISSIPPI POWER & LIGHT CO.	92
NAUGHTON	UTAH POWER & LIGHT CO.	152
NEAL	IOWA PUBLIC SERVICE CO.	79
NECHES	GULF STATES UTILITIES CO.	70
NELSON	GULF STATES UTILITIES CO.	70
NEOSHO	KANSAS GAS & ELECTRIC CO.	83
NEW BOSTON	BOSTON EDISON CO.	36
NEW CASTLE	PENNSYLVANIA POWER CO.	113
NEWMAN	EL PASO ELECTRIC CO.	62
NEWMAN	GARLAND MUNICIPAL UTILITIES	66
NICHOLS	SOUTHWEST PUBLIC SERVICE CO.	132
NILES	OHIO EDISON CO.	102
NINEMILE POINT	LOUISIANA POWER & LIGHT CO.	87
NOBLESVILLE	PUBLIC SERVICE CO. OF INDIANA	118
NORTHEAST	KANSAS CITY POWER & LIGHT CO.	82
NORTHEASTERN	PUBLIC SERVICE CO. OF OKLAHOMA	122
NORTHPORT	LONG ISLAND LIGHTING CO.	86

NORTHSIDE	JACKSONVILLE ELEC. LIGHT PLT.	80
NORTHWEST	COMMONWEALTH EDISON CO.	50
NORTH LAKE	DALLAS POWER & LIGHT CO.	57
NORTH MAIN	TEXAS ELECTRIC SERVICE CO.	139
NORTH OMAHA	OMAHA PUBLIC POWER DIST.	106
NORTH OAK CREEK	WISCONSIN ELECTRIC POWER CO.	157
NORTH TEXAS	BRAZOS ELECTRIC POWER COOP. INC.	36
NORWALK HARBOR	CONNECTICUT LIGHT & POWER CO.	142
NUCLA	COLORADO-UTE ELEC. ASSN.	47
NUECES BAY	CENTRAL P&L CO.	42
OAK CREEK	WEST TEXAS UTILITIES CO.	155
OCOTILLO	ARIZONA PUBLIC SERVICE CO.	31
OLINGER	GARLAND MUNICIPAL UTILITIES	66
OHIO RIVER	SOUTHERN INDIANA G. E. CO.	131
OLEUM	PACIFIC GAS & ELECTRIC CO.	109
OSAGE	OKLAHOMA GAS & ELECTRIC CO.	105
OSWEGO	NIAGARA-MOHAWK POWER CORP.	98
OTTOWA	LANSING BOARD OF W.E.L. COMM.	85
OWENSBORO NO. 1	OWENSBORO MUNICIPAL UTIL.	107
PADDY'S RUN	LOUISVILLE GAS & ELECTRIC CO.	88
PAINESVILLE	PAINESVILLE ELECTRIC LT. DEPT.	110
PAINT CREEK	WEST TEXAS UTILITIES CO.	155
PALATKA	FLORIDA POWER & LIGHT CO.	65
PALO SECO	PUERTO RICO WATER RESOURCES AUTH.	123
PARADISE	TENNESSEE VALLEY AUTHORITY	137
PARISH	HOUSTON LIGHTING & POWER CO.	74
PARKDALE	DALLAS POWER & LIGHT CO.	57
PARR	SOUTH CAROLINA ELEC. & GAS CO.	127
PATHFINDER	NORTHERN STATES POWER CO. (MINN.)	102
PATERSON	NEW ORLEANS PUBLIC SERVICE INC.	97
PAWTUCKET	BLACKSTONE VALLEY ELEC. CO.	35
PEACH BOTTOM	PHILADELPHIA ELECTRIC CO.	114
PENNSALT	DETROIT EDISON CO.	144
PERMIAN BASIN	TEXAS ELECTRIC SERVICE CO.	139
PERRY	INDIANAPOLIS POWER & LIGHT CO.	76
PERSON	PUBLIC SERVICE CO. OF NEW MEXICO	117
PETERSBURG	INDAIANAPOLIS POWER &LIGHT CO.	76
PHILLIPS	DUQUESNE LIGHT CO.	61
PHILO	OHIO POWER CO.	104
PICWAY	COLUMBUS & S OHIO ELECTRIC CO.	47
PINEVILLE	KENTUCKY UTILITIES CO.	84
PITTSBURG	PACIFIC GAS & ELECTRIC CO.	109

PIQUA	PIQUA MUNICIPAL POWER PLANT	115
PLANT "X"	SOUTHWEST PUBLIC SERVICE CO.	132
PLANT NO. 2	LUBBOCK, CITY OF	89
PORT EVERGLADES	FLORIDA POWER & LIGHT CO.	65
PORT JEFFERSON	LONG ISLAND LIGHTING CO.	86
PORTLAND	METRO EDISON CO.	90
PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO.	158
PORT WENTWORTH	SAVANNAH ELECTRIC & POWER CO.	126
PORTSMOUTH	VIRGINIA ELECTRIC & POWER CO.	153
POSSUM POINT	VIRGINIA ELECTRIC & POWER CO.	153
POSTON	COLUMBUS & S OHIO ELECTRIC CO.	48
POTOMAC RIVER	POTOMAC ELECTRIC POWER CO.	117
PORTRERO	PACIFIC GAS & ELECTRIC CO.	109
POWERTON	COMMONWEALTH EDISON CO.	50
PRAGER	PUBLIC SERVICE CO. OF NEW MEXICO	117
PRAIRIE CREEK No. 1-3	IOWA ELECTRIC LIGHT & POWER CO.	78
PRAIRIE CREEK No. 4	IOWA ELECTRIC LIGHT & POWER CO.	78
PRESQUE ISLE	UPPER PENINSULA GEN. CO.	151
PRITCHARD	INDIANAPOLIS POWER & LIGHT CO.	76
PUEBLO	CENTRAL TELE. & UTIL. CORP.	43
PULLIAM	WISCONSIN PUBLIC SERVICE CORP.	159
PURDOM	TALLAHASSEE, CITY OF	135
QUINDARO NO. 2	KANSAS CITY BOARD OF PUBLIC UTILS.	82
QUINDARO NO. 3	KANSAS CITY BOARD OF PUBLIC UTILS.	82
RAVENSWOOD	CONSOLIDATED EDISON CO. OF NY	53
REDONDO	SOUTHERN CALIFORNIA EDISON CO.	130
REED	DUQUESNE LIGHT CO.	61
REEVES	PUBLIC SERVICE CO. OF NEW MEXICO	117
REEVES AVENUE	VIRGINIA ELECTRIC & POWER CO.	153
REID	BIG RIVERS RURAL ELECTRIC COOP.	35
RICHMOND	PHILADELPHIA ELECTRIC CO.	115
RIDGELAND	COMMONWEALTH EDISON CO.	50
RIO GRANDE	EL PASO ELECTRIC CO.	62
RIO PECOS	WEST TEXAS UTILITIES CO.	156
RIPLEY	KANSAS GAS & ELECTRIC CO.	83
RITCHIE	ARKANSAS POWER & LIGHT CO.	33
RIVER CREST	TEXAS POWER & LIGHT CO.	140
RIVERBANK	OKLAHOMA GAS & ELECTRIC CO.	105
RIVERBEND	DUKE POWER CO.	60
RIVER ROUGE	DETROIT EDISON CO.	144
RIVERSIDE	HOLYOKE WATER POWER CO.	72
RIVERSIDE	SAVANNAH ELECTRIC & POWER CO.	126
RIVERSIDE	IOWA-ILLINOIS GAS & ELECTRIC CO.	79

RIVERSIDE	BALTIMORE GAS & ELECTRIC CO.	34
RIVERSIDE	NORTHERN STATES POWER CO. (MINN.)	101
RIVERTON	EMPIRE DIST. ELECTRIC CO.	62
RIVERTON	POTOMAC EDISON CO. (VA.)	116
RIVERVIEW	SOUTHWEST PUBLIC SERVICE CO.	132
RIVESVILLE	MONONGAHELA POWER CO.	93
RIVIERA	FLORIDA POWER & LIGHT CO.	66
ROBINSON, H. B.	CAROLINA POWER & LIGHT CO.	38
ROBINSON, P. H.	HOUSTON LIGHTING & POWER CO.	73
ROCHESTER NO. 3	ROCHESTER GAS & ELECTRIC CORP.	124
ROCHESTER NO. 7	ROCHESTER GAS & ELECTRIC CORP.	124
ROCK RIVER	WISCONSIN POWER & LIGHT CO.	159
RODEMACHER	CITY OF LAFAYETTE UTIL. SYSTEM	44
ROSWELL	SOUTHWEST PUBLIC SERVICE CO.	132
ROXBORO	CAROLINA POWER & LIGHT CO.	38
SABINE	GULF STATES UTILITIES CO.	70
SABROOKE	COMMONWEALTH EDISON CO.	50
SAGINAW RIVER	CONSUMERS POWER CO.	55
SAGUARO	ARIZONA PUBLIC SERVICE CO.	31
ST. CLAIR	DETROIT EDISON CO.	144
SALEM HARBOR	NEW ENGLAND POWER CO.	96
SAMMIS	OHIO EDISON CO.	103
SAN ANGELO	WEST TEXAS UTILITIES CO.	156
SAN BERNADINO	SOUTHERN CALIFORNIA EDISON CO.	130
SANFORD	FLORIDA POWER & LIGHT CO.	66
SAN JUAN	PUERTO RICO WATER RESOURCES AUTH.	123
SAN ONOFRE	SOUTHERN CALIFORNIA EDISON CO.	130
SAXTON	PENNSYLVANIA ELECTRIC CO.	111
SAYREVILLE	JERSEY CENTRAL POWER & LIGHT CO.	81
SCATTERGOOD	LOS ANGELES DEPT. OF WATER & POWER	87
SCHILLER	PUBLIC SERVICE CO. OF NEW HAMPSHIRE	119
SCHOLZ	GULF POWER CO.	69
SCHUYLKILL	PHILADELPHIA ELECTRIC CO.	115
SEAHOLM	CITY OF AUSTIN ELEC. DEPT.	44
SEVENTY-FOURTH STREET	CONSOLIDATED EDISON CO. OF NY	51
SEVIER	TENNESSEE VALLEY AUTHORITY	137
SEWARD	PENNSYLVANIA ELECTRIC CO.	111
SEWAREN	PUBLIC SERVICE ELEC. & GAS CO.	121
SHAWNEE	TENNESSEE VALLEY AUTHORITY	138
SHAWVILLE	PENNSYLVANIA ELECTRIC CO.	112
SHELDON	NEBRASKA PUB. PWR. DISTRICT	56
SHERMAN CREEK	CONSOLIDATED EDISON CO. OF NY	53
SHIPPINGPORT	DUQUESNE LIGHT CO.	61
SHUFFLETON	PUGET SOUND POWER & LIGHT CO.	124
SIBLEY	MISSOURI PUBLIC SERVICE CO.	93
SILVER GATE	SAN DIEGO GAS & ELECTRIC CO.	125

SIOUX	UNION ELECTRIC CO.	150
SIXTH STREET	IOWA ELECTRIC LIGHT & POWER CO.	78
SMITH	OWENSBORO MUNICIPAL UTIL.	107
SMITH, LANSING	GULF POWER CO.	69
SMITH, R.P.	POTOMAC EDISON CO.	147
SOMERSET	MONTAUP ELECTRIC CO.	94
SOUTH BAY	SAN DIEGO GAS & ELECTRIC CO.	125
SOUTH COAST	PUERTO RICO WATER RESOURCES AUTH.	123
SOUTHEAST	NORTHERN STATES POWER CO. (MINN.)	101
SOUTH MEADOW	HARTFORD ELEC. LIGHT CO.	145
SOUTH OAK CREEK	WISCONSIN ELECTRIC POWER CO.	158
SOUTHSIDE	JACKSONVILLE ELEC. LIGHT PLT.	81
SOUTH STREET	NARRAGANSETT ELECTRIC CO.	147
SOUTHWARK	PHILADELPHIA ELECTRIC CO.	115
SOUTHWESTERN	PUBLIC SERVICE CO. OF OKLAHOMA	122
SPORN	CENTRAL OPERATING CO.	41
SPRINGDALE	WEST PENNSYLVANIA POWER CO.	154
STAMFORD	HARTFORD ELEC. LIGHT CO.	145
STANDARD OIL	MISSISSIPPI POWER CO.	91
STANTON	UNITED POWER ASSOC.	150
STANTON	PENNSYLVANIA POWER & LIGHT CO.	113
STATE LINE	COMMONWEALTH EDISON CO.	48
STATE STREET	WESTERN MASSACHUSETTS ELEC. CO.	156
STATION "B"	SAN DIEGO GAS & ELECTRIC CO.	125
STATION "L"	PORTLAND GENERAL ELECTRIC CO.	115
STEAM NO. 2	TACOMA DEPT. OF PUBLIC UTILS.	135
STEEL	UNITED ILLUMINATING CO.	149
STERLINGTON	LOUISIANA POWER & LIGHT CO.	87
STONEMAN	DAIRYLAND POWER COOPERATIVE	56
STOUT	INDIANAPOLIS POWER & LIGHT CO.	76
STRYKER	TEXAS POWER & LIGHT CO.	140
SUNBURY	PENNSYLVANIA POWER & LIGHT CO.	113
SUNRISE	NEVADA POWER CO.	96
SUTHERLAND	IOWA ELECTRIC LIGHT & POWER CO.	78
SUTTON	CAROLINA POWER & LIGHT CO.	38
SUWANEE	FLORIDA POWER CORP.	64
SWEATT	MISSISSIPPI POWER CO.	91
TAIT	DAYTON POWER & LIGHT CO.	143
TANNERS CREEK	INDIANA & MICHIGAN ELEC. CO.	75
TAUNTON	TAUNTON MUNICIPAL LIGHTING PLT.	136
TECHE	CENTRAL LOUISIANA ELECTRIC CO.	41
TECUMSEH	KANSAS POWER & LIGHT CO.	146
TIDD	OHIO POWER CO.	104
TIGER	DUKE POWER CO.	60

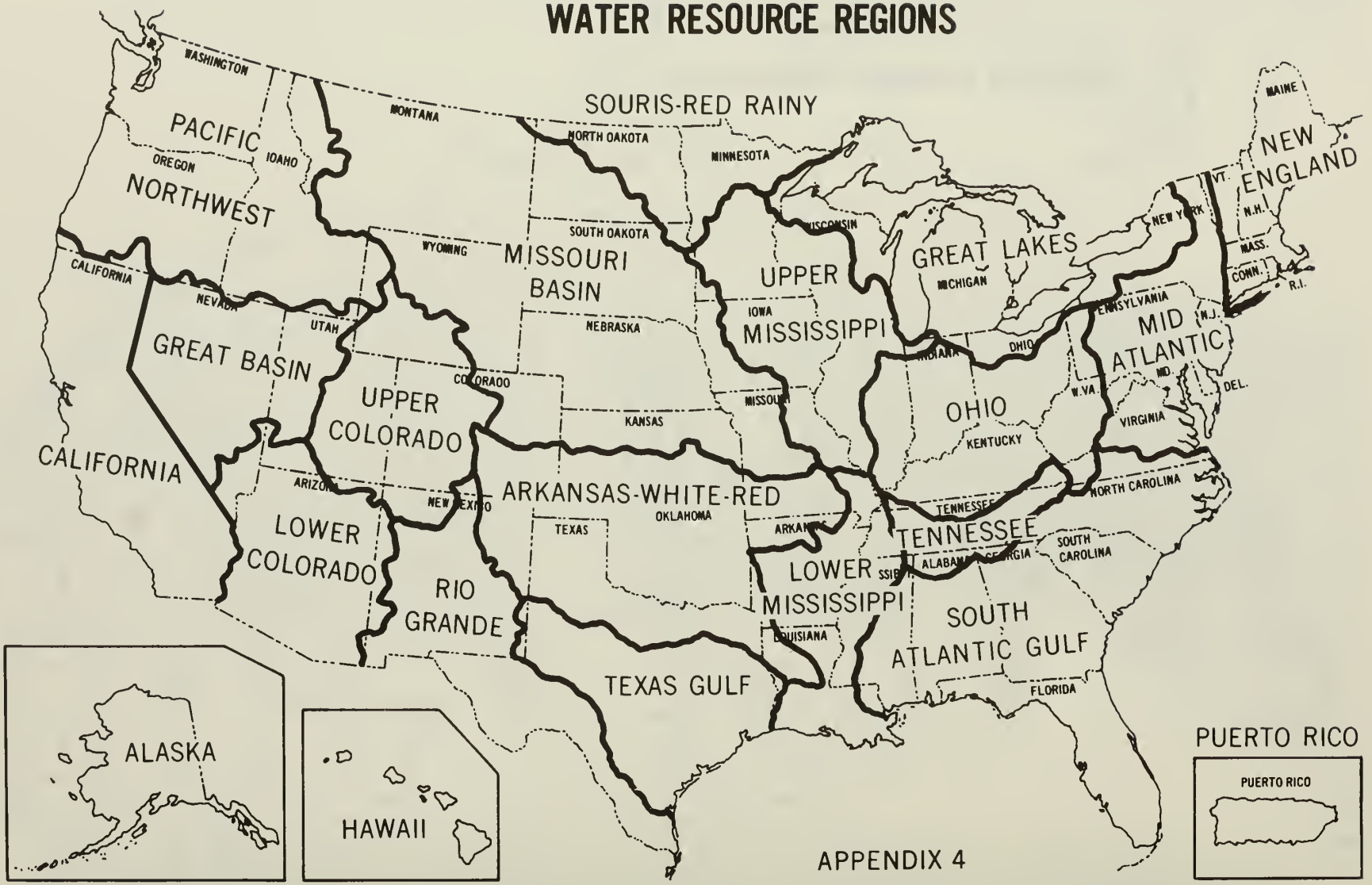
TITUS	METRO EDISON CO.	90
TORONTO	OHIO EDISON CO.	103
TRACY	SIERRA PACIFIC POWER CO.	126
TRADINGHOUSE	TEXAS POWER & LIGHT CO.	141
TRENTON CHANNEL	DETROIT EDISON CO.	145
TRINIDAD	TEXAS POWER & LIGHT CO.	141
TUCO	SOUTHWEST PUBLIC SERVICE CO.	133
TULSA	PUBLIC SERVICE CO. OF OKLAHOMA	123
TURKEY POINT	FLORIDA POWER & LIGHT CO.	66
TURNER	FLORIDA POWER CORP.	63
TUTTLE	CITY P. S. BD. SAN ANTONIO	45
TWELFTH STREET	VIRGINIA ELECTRIC & POWER CO.	153
TWIN BRANCH	INDIANA & MICHIGAN ELEC. CO.	75
TYRONE	KENTUCKY UTILITIES CO.	84
URQUHART	SOUTH CAROLINA ELECTRIC & GAS CO.	127
VALLEY	WISCONSIN ELECTRIC POWER CO.	158
VALLEY	LOS ANGELES DEPT. OF WATER & POWER	87
VALLEY	TEXAS POWER & LIGHT CO.	141
VALMONT	PUBLIC SERVICE CO. OF COLORADO	122
VENICE #1	UNION ELECTRIC CO.	150
VENICE #2	UNION ELECTRIC CO.	150
VERMILLION	ILLINOIS POWER CO.	74
VICTORIA	CENTRAL P&L CO.	42
VIENNA	DELMARVA POWER & LIGHT CO.	57
WABASH RIVER	PUBLIC SERVICE CO. OF INDIANA INC.	118
WAGNER	BALTIMORE GAS & ELECTRIC CO.	34
WAIAU	HAWAIIAN ELECTRIC CO. INC.	71
WALLACE	CENTRAL ILLINOIS LIGHT CO.	40
WALNUT	COLUMBUS & S OHIO ELECTRIC CO.	48
WARREN	PENNSYLVANIA ELECTRIC CO.	112
WATERSIDE	CONSOLIDATED EDISON CO. OF NY	53
WATSON	MISSISSIPPI POWER CO.	92
WATTS BAR	TENNESSEE VALLEY AUTHORITY	138
WAUKEGAN	COMMONWEALTH EDISON CO.	51
WEADOCK	CONSUMERS POWER CO.	55
WEATHERSPOON	CAROLINA POWER & LIGHT CO.	39
WEBSTER	HOUSTON LIGHTING & POWER CO.	74
WEBSTER	MASSACHUSETTS ELECTRIC CO.	89
WELEETKA	PUBLIC SERVICE CO. OF OKLAHOMA	123
WERNER	JERSEY CENTRAL POWER & LIGHT CO.	81

WEST END	CINCINNATI GAS & ELEC. CO.	142
WESTON	WISCONSIN PUBLIC SERVICE CORP.	159
WESTPORT	BALTIMORE GAS & ELECTIRC CO.	34
WEST SPRINGFIELD	WESTERN MASSACHUSETTS ELECTRIC CO.	157
WHARTON	HOUSTON LIGHTING & POWER CO.	73
WHITING	CONSUMERS POWER CO.	55
WIDOWS CREEK "A"	TENNESSEE VALLEY AUTHORITY	138
WIDOWS CREEK "B"	TENNESSEE VALLEY AUTHORITY	138
WILKES	SOUTHWESTERN ELEC. POWER CO.	134
WILL COUNTY	COMMONWEALTH EDISON CO.	51
WILLIAMSBURG	PENNSYLVANIA ELECTRIC CO.	112
WILLOW GLEN	GULF STATES UTILITIES CO.	70
WILLOW ISLAND	MONONGAHELA POWER CO.	93
WILMARTH	NORTHERN STATES POWER CO. (MINN.)	101
WILSON	MISSISSIPPI POWER & LIGHT CO.	92
WINDSOR	BEECH BOTTOM POWER CO.	35
WINNETKA	WINNETKA, VILLAGE OF	157
WINONA	NORTHERN STATES POWER CO. (MINN.)	101
WICHITA FALLS	TEXAS ELECTRIC SERVICE CO.	140
WOODCOCK	OHIO POWER CO.	104
WOOD RIVER	ILLINOIS POWER CO.	75
WYANDOTTE	DETROIT EDISON CO.	145
WYMAN	CENTRAL MAINE PWR. CO.	41
YATES	GEORGIA POWER CO.	68
YORKTOWN	VIRGINIA ELECTRIC & POWER CO.	153
YUCCA	ARIZONA PUBLIC SERVICE CO.	31
ZUNI	PUBLIC SERVICE CO. OF COLORADO	122

AIR QUALITY CONTROL REGIONS

APPENDIX 3

WATER RESOURCE REGIONS



APPENDIX 4

Water Resource Regions

The following list gives the numbers and names of the Water Resource Regions as used in the summary tables of this publication. Where the names given on the map differ from those on the summary tables, the map name is given parenthetically:

1. New England
2. Middle Atlantic
3. South Atlantic - Gulf
4. Great Lakes
5. Ohio
6. Tennessee
7. Upper Mississippi
8. Lower Mississippi
9. Souris - Red - Rainy
10. Missouri (Missouri Basin)
11. Arkansas - White - Red
12. Texas - Gulf
13. Rio Grande
14. Upper Colorado
15. Lower Colorado
16. Great Basin
17. Columbia - North Pacific (Pacific Northwest)
18. California - South Pacific (California)

GEOGRAPHIC DIVISIONS

APPENDIX 5